

Massachusetts Institute of Technology
Research Expenditures by Primary Sponsor
Fiscal Year 2020

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
000100 Air Force	002043 Aerospace Corporation	6938786	C	P061093	AGMT DTD 3/15/18	de Weck /Olivier L	03/15/18	04/30/20	109,011	252,800	(16,618)
		6938879	C	P061096	PO# 4600006296	Linares /Richard	03/15/18	05/31/20	138,326	443,993	60,294
		6939399	C	P061090	PO# 4600006296	Masterson /Rebecca A	03/15/18	06/30/19	6,509	91,965	(0)
	005250 Battelle Memorial Institute	6942129	C	P031000	PO US001-0000758851	Tibbits /Skylar	09/15/19	09/14/20	92,409	100,000	7,591
	009001 Lincoln Laboratory	6928933	C	P061093	PO# 7000243692	Hansman /Robert J	11/01/13	06/30/19	(337)	671,633	0
		6930859	C	P267200	PO# 7000290592	Oliver /William D	09/01/14	08/31/22	494,678	9,263,866	291,621
		6931611	C	P060600	PO# 7000306158	Palacios /Tomas	02/01/15	09/30/20	89,689	564,000	22,222
		6932764	C	P267600	PO# 7000326660	Lu /Timothy K	09/01/15	12/31/18	(2,682)	50,000	0
		6933645	C	P065004	PO# 7000344422	Hart /Douglas	02/01/16	12/31/17	(601)	465,000	(0)
		6935139	C	P067952	PO# 7000367982	O'Reilly /Una-May	10/01/16	09/30/19	24,051	130,000	12,472
		6935235	C	P066000	PO# 7000370657	Hu /Juejun	10/01/16	09/30/20	188,044	535,000	(26,197)
		6935279	C	P060600	PO# 7000369000	Velasquez-Heller /Luis Fernand	10/01/16	08/31/20	101,240	480,000	15,589
		6935316	C	P267110	PO# 7000372082	Trumper /David L	09/01/16	12/31/19	26,876	223,042	(0)
		6935553	C	P067952	PO# 7000374874	Tedrake /Russell L	11/01/16	09/30/19	(38,589)	301,516	(0)
		6935644	C	P060600	PO# 7000376241	Han /Ruonan	12/01/16	09/30/18	(74)	112,929	0
		6935784	C	P067952	PO# 7000379430	Rus /Daniela L	02/01/17	09/30/20	0	60,000	8,783
		6935965	C	P267200	PO# 7000381569	Oliver /William D	10/01/16	09/30/20	14,140	875,000	182,781
		6936237	C	P066000	PO# 7000385831	Beach /Geoffrey Stephen	09/01/16	08/31/19	9,623	319,406	0
		6936301	C	P267200	PO# 7000385936	Oliver /William D	05/01/17	09/30/21	51,147	200,000	35,687
		6936395	C	P267200	PO# 7000387954	Ram /Rajeev J	10/01/16	09/30/19	(177)	43,100	0
		6936468	C	P061097	PO# 7000386377	Cahoy /Kerri	05/01/17	04/30/22	39,014	238,657	12,718
		6936545	C	P061090	PO# 7000389700	Masterson /Rebecca A	06/12/17	09/30/20	121,836	401,000	24,456
		6936560	C	P063007	PO# 7000390222	Entekhabi /Dara	01/15/17	01/14/21	0	25,376	0
		6936796	C	P267110	PO# 7000391952	Wornell /Gregory W	07/01/17	08/31/19	30,968	300,000	(0)
		6937231	C	P031000	PO# 7000398589 / LETTEF	Mazereeuw /Miho	07/01/17	08/31/20	726,382	2,370,486	(72,476)
		6937317	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	1,372	11,048,768	11,048,762
		6937393	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	0	0
		6937394	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	0	(5,019)
		6937395	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	0	(6,438)
		6937396	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	684	0	(8,203)
		6937398	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	51,089	0
		6937399	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	61,356	0
		6937400	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	209,929	(0)
		6937401	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	160,663	(0)
		6937402	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	385,942	0
		6937403	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	3,969	0
		6937404	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	38,541	(0)
		6937407	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	0	(11,311)
		6937411	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	20,385	0	(41,618)
		6937412	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	31,812	0	(251,166)
		6937457	C	P065004	PO# 7000401832	Hart /Douglas	09/01/17	12/31/18	(254)	100,000	(0)
		6937581	C	P067952	PO# 7000403560	Devadas /Srinivas	10/01/17	09/30/20	444	75,000	26,155

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		6937660	C	P068700	PO# 7000403338	Karaman /Sertac	10/01/17	09/30/20	149,140	525,000	122,802
		6937851	C	P060600	PO# 7000408525	Palacios /Tomas	11/01/17	01/31/19	(24,653)	119,774	0
		6937917	C	P067952	PO# 7000374874	Rus /Daniela L	10/01/17	09/30/19	(12,074)	99,239	0
		6937963	C	P067952	PO# 7000409620	Shrobe /Howard E	10/01/17	09/30/21	399,230	900,000	200,122
		6938037	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	0	(8,249)
		6938038	C	P401710	PO# 7000399771	Lonsdale /Colin John	02/01/18	09/30/22	218,471	0	(408,166)
		6938341	C	P065004	PO# 7000407322	Anthony /Brian	09/01/17	03/31/19	(6,479)	136,000	(33,914)
		6938413	C	P417500	PO# 7000416344	Thompson /Carl Vernet	12/01/17	02/28/21	81,751	386,966	(661)
		6938424	C	P061097	PO# 7000416579	Cahoy /Kerri	03/15/18	08/31/18	(1,540)	34,945	0
		6938470	C	P065004	PO# 7000407322	Anthony /Brian	09/01/17	03/31/19	(2,890)	34,000	34,000
		6938523	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	123,453	0
		6938524	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	131,001	0
		6938525	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	500,611	(0)
		6938526	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	409,496	0
		6938527	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	831,967	0
		6938528	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	11,218	(0)
		6938529	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	80,600	0
		6938561	C	P417500	PO# 7000419429	Agarwal /Anuradha	03/01/18	05/31/19	(33)	125,000	0
		6938640	C	P062000	PO# 7000420407	Manthiram /Karthish	04/01/18	05/31/19	(37,576)	130,000	0
		6938802	C	P069400	PO# 7000422783	Madnick /Stuart E	06/01/18	01/31/20	77,604	300,000	(0)
		6938865	C	P067952	PO# 7000423531	Glass /James R	06/01/18	05/31/19	(147)	130,000	(0)
		6938886	C	P401710	PO# 7000399771	Lonsdale /Colin John	06/18/18	09/30/22	(3,775)	0	(37,263)
		6938895	C	P267500	PO# 7000423938	Fink /Yoel	06/01/18	05/31/19	(10,631)	73,927	0
		6938988	C	P066000	PO# 7000426059	Hu /Juejun	09/01/18	08/31/19	(44)	50,000	(0)
		6939056	C	P267110	PO# 7000427377	Zheng /Lizhong	08/01/18	12/31/19	15,046	64,710	0
		6939102	C	P065004	PO# 7000404297	Hart /Douglas	10/01/17	09/30/18	20,913	150,000	0
		6939164	C	P067952	PO# 7000427652	Vaikuntanathan /Vinod	09/01/18	08/31/20	10,308	120,000	36,416
		6939172	C	P401710	PO# 7000424794	Lonsdale /Colin John	06/01/18	05/31/21	43,079	101,219	29,087
		6939822	C	P066000	PO#7000442873	Schuh /Christopher A	10/01/18	09/30/19	0	68,177	(0)
		6939912	C	P065005	PO #7000436744	Winter /Amos G	10/01/18	09/30/19	11,123	100,000	(0)
		6940077	C	P065005	7000438136	Wang /Evelyn	11/01/18	02/29/20	65,054	100,000	2,466
		6940185	C	P060600	PO# 7000441640	Velasquez-Heller /Luis Fernand	01/01/19	02/28/20	98,262	99,996	0
		6940197	C	P065004	PO# 7000441730	Brisson /John G	10/01/18	09/30/20	142,610	240,000	56,730
		6940203	C	P061901	PO#7000442589	Bourouiba /Lydia	10/01/18	09/30/19	129,828	200,000	949
		6940223	C	P068700	PO# 7000443135	Carlone /Luca	12/01/18	11/30/20	116,573	120,000	(2,190)
		6940225	C	P067952	PO#7000442809	Devadas /Srinivas	01/01/19	09/30/20	0	75,000	75,000
		6940251	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	93,261	0	(138,718)
		6940252	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	74,212	0	(127,109)
		6940253	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	301,951	0	(453,239)
		6940254	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	356,122	0	(519,744)
		6940255	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	576,165	0	(918,393)
		6940256	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	11,785	0	(11,785)
		6940257	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	66,865	0	(99,028)
		6940258	C	P067952	PO# 7000443819	Leiserson /Charles E	10/01/18	09/30/20	55,312	50,000	(5,312)

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		6940262	C	P065004	PO# 7000443563	Kim /Jeewan	10/01/18	03/31/20	200,488	200,000	(51,024)
		6940303	C	P066000	PO# 7000445219	Holten-Andersen /Niels	02/01/19	01/31/20	54,899	100,000	0
		6940307	C	P065005	PO# 7000444597	Lermusiaux /Pierre	10/01/18	09/30/20	86,630	185,000	51,528
		6940354	C	P417500	PO# 7000445262	Gedik /Nuh	04/01/19	01/31/20	63,455	88,718	0
		6940363	C	P065004	PO# 7000445983	Hart /Douglas	01/01/19	12/31/20	91,268	167,253	13,552
		6940386	C	P065004	7000446675	Benjamin /Michael R	02/15/19	06/30/20	(2,474)	50,000	0
		6940387	C	P068700	PO# 7000443447	Carlone /Luca	12/01/18	11/30/20	109,928	233,000	83,960
		6940398	C	P060600	PO# 7000446862	Palacios /Tomas	08/01/18	12/31/19	23,459	24,836	0
		6940414	C	P267111	PO# 7000442717	Englund /Dirk R.	10/01/18	09/30/20	30,696	90,000	23,614
		6940512	C	P154500	PO#7000447700	Mansinghka /Vikash K	02/01/19	09/30/20	202,473	275,000	33,742
		6940530	C	P065004	PO# 7000445983	Hart /Douglas	01/01/19	04/30/19	0	10,703	3,205
		6940718	C	P066000	PO# 7000451072	Hu /Juejun	04/01/19	05/31/19	(10)	3,121	0
		6940757	C	P153000	PO# 7000452592	Ravela /Sai Czander	02/01/19	02/29/20	35,161	39,748	17
		6940956	C	P153000	PO# 7000455589	Person /Michael J	05/01/19	04/30/21	27,126	33,328	3,023
		6941098	C	P267200	PO#7000457149	Ram /Rajeev J	06/01/19	12/31/20	69,638	84,500	14,862
		6941106	C	P069201	PO#7000456741	Weiss /Ron	06/01/19	09/30/20	79,994	100,000	20,006
		6941116	C	P267200	PO#7000457149	Ram /Rajeev J	06/01/19	12/31/20	23,298	40,500	17,202
		6941138	C	P401710	PO# 7000399771	Lonsdale /Colin John	07/01/19	09/30/22	6,743	0	(6,743)
		6941139	C	P401710	PO# 7000399771	Lonsdale /Colin John	07/01/19	09/30/22	6,219	0	(6,219)
		6941150	C	P060600	PO# 7000458166	Han /Ruonan	06/01/19	09/30/20	65,607	90,000	24,393
		6941463	C	P401710	PO# 7000399771	Lonsdale /Colin John	08/26/19	09/30/22	6,094	0	(6,094)
		6941529	C	P267200	PO# 7000290592	Oliver /William D	08/01/19	01/01/21	62,263	66,003	3,740
		6941530	C	P267200	PO# 7000290592	Oliver /William D	08/01/19	01/01/21	59,891	66,003	6,112
		6941626	C	P066000	PO# 7000465398	Hu /Juejun	09/01/19	03/31/20	6,628	6,628	0
		6941655	C	P267111	PO# 7000465630	Englund /Dirk R.	10/01/19	09/30/20	48,517	70,000	21,483
		6941809	C	P417000	PO# 7000467723	Fink /Yoel	09/01/19	08/31/20	79,719	175,000	95,281
		6941825	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/19	09/30/22	53	0	(53)
		6941828	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/19	09/30/22	562	0	(562)
		6941868	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/19	09/30/22	40,007	0	(40,007)
		6941919	C	P063007	16-C-19-0445 PO#7000465	Eltahir /Elfatih A. B.	07/01/19	09/30/20	74,049	100,000	25,951
		6941920	C	P065004	7000469159	Gallant /Betar Maurkah	10/01/19	09/30/21	72,322	150,000	77,678
		6941983	C	P065009	PO# 7000469591	Chen /Gang	10/01/19	09/30/20	58,793	100,000	41,207
		6942091	C	P067952	PO# 7000470769	Rus /Daniela L	10/01/19	09/30/20	9,579	200,000	190,421
		6942147	C	P159900	PO# 7000471328	Formaggio /Joseph A	11/01/19	10/31/20	32,725	75,000	42,275
		6942171	C	P067952	PO# 7000471801	Golland /Polina	11/01/19	06/30/20	106,499	110,000	3,501
		6942305	C	P067952	PO# 7000470769	Tedrake /Russell L	10/01/19	09/30/20	121,940	0	(121,940)
		6942350	C	P417000	PO#7000473193	Kooi /Steven E	11/01/19	10/31/20	18,220	50,000	31,780
		6942397	C	P065005	PO# 7000474480	Traverso /Carlo Giovanni	11/01/19	10/31/20	32,714	100,000	67,286
		6942465	C	P065004	PO# 7000445983	Hart /Douglas	01/01/20	08/31/20	13,489	22,044	8,555
		6942549	C	P159400	PO# 7000476809	Schlosser /Courtney Adam	01/01/20	06/30/20	68,015	69,996	1,981
		6942563	C	P159900	PO# 7000471328	Formaggio /Joseph A	02/01/20	10/31/20	18,161	75,000	56,839
		6942576	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	68,830	0	(68,830)
		6942577	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	44,320	0	(44,320)
		6942578	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	179,175	0	(179,175)
		6942579	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	194,784	0	(194,784)

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		6942580	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	341,431	0	(341,431)
		6942582	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	43,777	0	(43,777)
		6942584	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	23,284	0	(23,284)
		6942585	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	70	0	(70)
		6942587	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	30,097	0	(30,097)
		6942724	C	P069500	PO# 7000478792	Sheffi /Yosef	01/01/20	09/30/20	38,118	97,158	59,040
		6942809	C	P267111	PO#7000480340	Wong /Ngai Chuen	03/01/20	02/28/21	32,799	75,000	42,201
		6943010	C	P039020	PO# 7000482739	Gershenfeld /Neil A	04/01/20	03/31/21	8,033	75,000	66,967
		6943126	C	P065004	PO# 7000483598	Hart /Douglas	03/15/20	08/31/21	0	100,000	100,000
		6943134	C	P069201	PO# 7000483190	Lu /Timothy K	04/01/20	03/31/21	0	25,000	25,000
		6943164	C	P267200	PO# 7000290592	Oliver /William D	09/01/14	08/31/22	0	147,464	147,464
		6943359	C	P401710	PO# 7000399771	Lonsdale /Colin John	06/01/20	09/30/22	1,148	0	(1,148)
		6943360	C	P401710	PO# 7000399771	Lonsdale /Colin John	06/01/20	09/30/22	0	0	0
	102563 Pointwise, Inc	6942801	C	P061093	AGMT. DATED 2/26/2020	Drela /Mark	02/26/20	11/12/20	32,903	90,000	57,097
Total by Primary Sponsor									8,434,352	41,137,325	9,405,287
000106 Air Force Office of Scientific Research - AFOSR	000106 Air Force Office of Scientific Research - AFOSR	6929196	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	1,170	226,393	224,189
		6929344	C	P267111	FA9550-14-1-0052	Englund /Dirk R.	12/15/13	09/14/19	79,171	2,248,249	(0)
		6929345	C	P267111	FA9550-14-1-0052	Shapiro /Jeffrey H	12/15/13	09/14/19	44,773	1,134,980	0
		6929346	C	P267111	FA9550-14-1-0052	Berggren /Karl K	12/15/13	09/14/19	59,420	1,311,973	(0)
		6929348	C	P267111	FA9550-14-1-0052	Wong /Ngai Chuen	12/15/13	09/14/19	40,561	1,314,846	0
		6929351	C	P267111	FA9550-14-1-0052	Englund /Dirk R.	12/15/13	09/14/19	24,453	1,766,617	0
		6929377	C	P065004	FA9550-14-1-0060	Del Vecchio /Domitilla	03/01/14	02/29/20	27,339	1,345,003	263
		6929760	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	5,260	1,665,844	(169,798)
		6929761	C	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	03/31/20	35,153	759,278	(5,118)
		6929762	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	0	3,145,688	300,179
		6929763	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	116,476	1,942,117	(1)
		6929764	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	97,483	1,887,117	989
		6929766	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	94,053	897,117	231,065
		6929767	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	127,067	1,617,117	9
		6930290	C	P267111	FA9550-14-1-0052	Englund /Dirk R.	02/01/14	09/14/19	3,021	68,512	0
		6930707	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	07/01/14	03/31/20	7,073	327,576	(89)
		6930848	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	09/01/14	03/31/20	7,875	441,031	5,704
		6930946	C	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	06/30/18	0	502,554	0
		6930947	C	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	06/30/18	0	338,168	0
		6931031	C	P267111	FA9550-14-1-0052	Englund /Dirk R.	10/23/14	09/14/19	758	27,032	0
		6931131	C	P061901	FA9550-14-1-0060	Collins /James J.	03/01/14	02/29/20	141,056	999,998	0
		6931393	C	P061093	FA9550-15-1-0038	Willcox /Karen E	01/01/15	12/31/20	868,184	5,577,595	566,795
		6931408	C	P061093	FA9550-15-1-0038	Willcox /Karen E	01/01/15	12/31/18	0	596,318	0
		6931409	C	P061097	FA9550-15-1-0038	Marzouk /Youssef M	01/01/15	12/31/20	108,754	1,000,000	1,690
		6931796	C	P243020	FA9550-15-1-0058	Temkin /Richard J	04/15/15	04/14/20	206,819	969,171	0
		6931821	C	P267111	FA9550-14-1-0052	Englund /Dirk R.	04/01/15	09/14/19	13,633	147,315	0
		6932832	C	P060600	FA9550-15-1-0514	Palacios /Tomas	06/30/15	09/29/20	0	65,800	54,531
		6933074	C	P243020	FA9550-15-1-0058	Temkin /Richard J	04/15/15	04/14/20	1,892	29,387	0
		6933128	C	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/20	21,439	310,913	59,321

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		6933129	C	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/20	262,500	1,186,475	152,018
		6933130	C	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/20	366,562	1,186,475	197,178
		6933131	C	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/20	162,161	1,190,912	157,461
		6933132	C	P063007	FA9550-15-1-0514	Buehler /Markus J	06/30/15	09/29/20	74,377	1,186,475	355,849
		6933133	C	P267100	FA9550-15-1-0514	Kong /Jing	09/30/15	09/29/20	338,514	1,186,475	7,204
		6933134	C	P062000	FA9550-15-1-0514	Strano /Michael S.	09/30/15	09/29/20	138,624	1,186,475	49,396
		6933359	C	P065004	FA9550-14-1-0060	Del Vecchio /Domitilla	03/01/14	02/29/20	54,485	1,405,000	0
		6933638	C	P061093	FA9550-16-1-0108	Willcox /Karen E	10/16/15	01/14/20	133,229	1,274,520	(0)
		6934116	C	P061093	FA9550-16-1-0214	Peraire /Jaime	06/01/16	05/31/20	134,935	461,807	224
		6934160	C	P065005	FA9550-16-1-0231	Sapsis /Themistoklis Panagioti	06/15/16	06/14/20	65,161	359,996	(0)
		6934513	C	P267100	FA9550-16-1-0324	Zwierlein /Martin Wolfram	08/15/16	08/14/21	35,389	820,000	265,207
		6934530	C	P062000	FA9550-16-1-0208	Green /William H	08/15/16	10/14/20	170,840	490,000	30,522
		6934875	C	P069850	FA9550-16-1-0382	Jarillo-Herrero /Pablo	06/30/16	09/29/21	158,248	713,124	(23,576)
		6934975	C	P267111	FA9550-16-1-0391	Englund /Dirk R.	09/30/16	09/29/20	128,443	521,929	6,827
		6934995	C	P068000	FA9550-16-1-0427	Yildiz /Bilge	09/30/16	09/29/20	35,071	380,000	0
		6935053	C	P267111	FA9550-16-1-0391	Englund /Dirk R.	10/15/16	09/29/20	1,677	78,070	6,514
		6935290	C	P069850	FA9550-16-1-0382	Jarillo-Herrero /Pablo	06/30/16	07/31/18	0	11,876	0
		6935294	C	P154000	FA9550-17-1-0058	Spivak /David I	12/01/16	11/30/21	147,796	899,996	249,419
		6935331	C	P067952	FA9550-17-1-0081	Davis /Randall	10/15/16	10/14/20	270,754	1,350,000	275,577
		6935598	C	P069850	FA9550-17-1-0136	Slotine /Jean-Jacques E	01/15/17	01/14/20	119,842	696,502	(0)
		6935619	C	P065005	FA9550-17-1-0114	Sapsis /Themistoklis Panagioti	02/01/17	07/31/19	30,529	179,962	0
		6935858	C	P067952	FA9550-17-1-0165	Kaelbling /Leslie P	03/15/17	03/14/22	235,103	1,048,412	347,867
		6935946	C	P065005	FA9550-17-1-0192	Lloyd /Seth	04/01/17	03/31/21	51,179	298,131	150,348
		6936528	C	P066000	FA9550-17-1-0288	Macfarlane /Robert J	07/01/17	06/30/21	104,391	480,000	99,026
		6936667	C	P267111	FA9550-14-1-0052	Berggren /Karl K	02/01/17	09/14/19	0	7,817	0
		6937032	C	P154000	FA9550-17-1-0316	Demanet /Laurent	09/01/17	08/31/20	157,962	470,675	39,449
		6937280	C	P067952	FA9550-17-1-0362	Winston /Patrick H	09/15/17	09/14/20	480,702	1,073,822	186,024
		6937654	C	P401710	FA9550-18-1-0080	Lonsdale /Colin John	12/02/17	12/01/20	150,555	507,574	(379)
		6937705	C	P061093	FA9550-18-1-0023	Willcox /Karen E	12/01/17	11/30/20	55,650	295,443	93,703
		6937756	C	P061097	FA9550-18-1-0023	Marzouk /Youssef M	12/01/17	11/30/20	38,447	293,962	63,656
		6938701	C	P152000	FA9550-18-1-0341	Swager /Timothy M	05/15/18	08/14/20	202,266	450,123	(14,465)
		6938842	C	P267111	FA9550-18-1-0376	Englund /Dirk R.	06/15/18	12/13/20	241,089	298,713	57,624
		6938866	C	P267111	FA9550-14-1-0052	Englund /Dirk R.	06/01/18	09/14/19	8,763	11,005	0
		6939053	C	P267100	FA9550-16-1-0324	Zwierlein /Martin Wolfram	08/15/17	08/14/20	35,080	180,000	22,292
		6939054	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	06/01/18	07/31/20	0	350,000	350,000
		6939070	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/20	613,619	560,407	(277,867)
		6939071	C	P267111	FA9550-18-1-0436	Berggren /Karl K	06/01/18	07/31/20	152,132	375,000	(5,175)
		6939072	C	P267111	FA9550-18-1-0436	Daniel /Luca	08/01/18	07/31/20	109,731	275,000	99,588
		6939073	C	P060600	FA9550-18-1-0436	Palacios /Tomas	08/01/18	07/31/20	266,522	450,000	(11,258)
		6939074	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/20	103,748	240,743	99,676
		6939075	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/20	189,875	284,100	9,642
		6939076	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/20	136,567	464,750	299,633
		6940137	C	P060600	FA9550-19-1-0048	Liu /Luqiao	01/01/19	12/31/21	131,940	299,998	149,065
		6940138	C	P417500	FA9550-19-1-0063	Comin /Riccardo	10/01/18	12/31/21	143,963	288,502	84,676
		6940146	C	P267111	FA9550-19-1-0065	Keathley /Phillip Donald	12/15/18	12/14/21	160,255	287,500	52,250

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		6940270	C	P267111	FA9550-14-1-0052	Englund /Dirk R.	08/01/18	09/14/19	5,512	28,899	0
		6940324	C	P267111	FA9550-14-1-0052	Englund /Dirk R.	01/01/19	09/14/19	5,171	19,856	0
		6940375	C	P154000	FA9550-19-1-0113	Spivak /David I	04/01/19	03/31/22	141,400	359,999	195,598
		6940382	C	P061090	FA9550-19-1-0104	Lozano /Paulo C	03/15/19	03/14/22	92,217	300,000	177,899
		6940479	C	P267111	FA9550-19-1-0153	Englund /Dirk R.	03/17/19	06/14/20	74,673	74,790	117
		6940643	C	P121012	FA9550-19-1-0240	Freund /Robert Michael	07/01/19	06/30/22	147,937	386,209	238,272
		6940750	C	P154500	FA9550-19-1-0269	Tenenbaum /Joshua B	05/15/19	05/14/22	123,569	423,135	281,419
		6940882	C	P067952	FA9550-19-1-0319	Solomon /Justin	06/01/19	05/31/22	219,900	232,430	12,530
		6941028	C	P267111	FA9550-19-1-0065	Keathley /Phillip Donald	12/15/18	12/14/21	8,922	12,500	(371)
		6941029	C	P267111	FA9550-19-1-0153	Englund /Dirk R.	03/17/19	06/14/20	36,327	36,210	(117)
		6941093	C	P068700	FA9550-19-1-0263	Jaillet /Patrick	07/01/19	06/30/22	161,131	423,169	262,038
		6941130	C	P267100	FA9550-19-1-0119	Ketterle /Wolfgang	04/01/19	03/31/20	134,304	152,650	18,346
		6941192	C	P417500	FA9550-19-1-0063	Comin /Riccardo	10/01/18	06/30/19	11,295	11,498	203
		6941327	C	P061096	FA9550-19-1-0381	Tan /Choon S	08/15/19	08/14/20	145,690	174,986	29,296
		6941433	C	P065005	FA9550-19-1-0392	Wang /Evelyn	09/01/19	08/31/22	99,292	268,274	168,982
		6941667	C	P267111	FA9550-18-1-0376	Englund /Dirk R.	06/15/18	12/13/20	5,704	35,300	29,596
		6942895	C	P065004	FA9550-20-1-0044	Del Vecchio /Domitilla	05/01/20	04/30/21	10,682	500,000	489,318
		6943053	C	P066000	FA9550-20-1-0066	Lebeau /James M	04/15/20	04/14/21	25,689	200,000	174,311
		6943465	C	P267200	20071904	Soljagic /Marin	06/15/20	06/14/23	0	100,000	100,000
		6943468	C	P267111	FA9550-20-1-0113	Englund /Dirk R.	06/15/20	06/14/22	0	184,423	184,423
		6943475	C	P066000	FA9550-20-1-0163	Allanore /Antoine	07/01/20	06/30/23	0	126,247	126,247
	005222 Metis Design Co	6941144	C	P060600	AGMT. DTD. 2/1/2019	Shulaker /Max M.	02/01/19	08/31/19	74,736	74,736	0
	005731 Emory University	6939259	C	P152000	A007735	Surendranath /Yogesh	08/01/18	07/31/20	0	0	0
		6939929	C	P152000	A007735	Surendranath /Yogesh	08/01/18	07/31/19	110,427	241,627	0
		6939930	C	P152000	A007735	Willard /Adam P.	08/01/18	07/31/19	36,136	106,223	0
		6941330	C	P152000	A007735	Surendranath /Yogesh	08/01/19	07/31/20	201,308	181,173	(20,135)
		6941331	C	P152000	A007735	Willard /Adam P.	08/01/19	07/31/20	108,145	208,477	100,332
	007533 University of California	6940947	C	P159900	KK2014	Harlow /Daniel L.	07/01/19	06/30/20	68,597	186,250	117,653
	007617 University of Minnesota	6941912	C	P061096	A007146101	Linares /Richard	07/30/19	04/14/21	75,553	39,581	(35,972)
		6943095	C	P061096	A006524101	Linares /Richard	02/01/20	01/31/21	41,065	154,334	113,269
	007618 University of Colorado	6934474	C	P152000	SUBAWARD NO. 1553954	Field /Robert W	04/01/16	03/31/20	12,074	243,987	0
	007623 University of Chicago	6941412	C	P066000	AWD100348 (SUB0000007	Lebeau /James M	08/01/19	07/31/20	142,479	152,057	9,578
	007633 University of Maryland	6935254	C	P267100	43830-Z8183003	Vuletic /Vladan	09/15/16	07/14/20	52,678	488,250	36,060
		6936839	C	P267100	43830-Z8183003	Vuletic /Vladan	09/15/16	07/14/20	5,973	120,000	10,675
	007637 University of Tennessee	6936108	C	P061097	UTA17-000362	Marzouk /Youssef M	03/15/17	03/14/20	130,989	349,880	82
	007639 University of Washington	6941764	C	P061090	UWSC11381 PO42935	How /Jonathan P	08/01/19	08/31/20	66,737	232,667	165,930
		6941979	C	P417500	UWSC11420	Jarillo-Herrero /Pablo	09/30/19	09/29/20	6,006	236,125	230,119
	009001 Lincoln Laboratory	6936795	C	P063007	PO# 7000393666	Williams /Earle R	06/01/17	08/31/19	22,057	290,753	(0)
		6940196	C	P065009	PO#7000441601	Chen /Gang	01/01/19	06/30/20	71,581	100,000	6,043
	010351 University of Texas at Arlington	6934964	C	P401710	2016GC5246	Zhang /Shun-Rong	09/01/16	08/31/21	0	121,393	121,393
		6935077	C	P401710	2016GC5246	Zhang /Shun-Rong	09/01/16	02/28/17	0	62,695	0
		6935770	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/17	02/28/18	0	115,575	0
		6938479	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/18	02/28/19	0	120,291	(0)
		6940726	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/19	08/31/19	10,136	60,703	0

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		6941202	C	P401710	2016GC524	Zhang /Shun-Rong	06/01/19	11/30/20	75,758	128,186	52,428
		6941833	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/19	02/28/21	57,253	151,814	94,561
		6941842	C	P401710	2016GC5246	Zhang /Shun-Rong	09/01/19	02/29/20	56,395	56,522	126
	010438 Boise State University	6933762	C	P060600	6856-PO124372	Akinwande /Akintunde I	02/15/16	02/14/19	(2,111)	149,485	0
		6940736	C	P060600	8583-PO132256	Akinwande /Akintunde I	04/15/19	04/14/20	(12,108)	0	0
		6940737	C	P060600	8583-PO132256	Akinwande /Akintunde I	04/15/19	04/14/20	80,074	80,000	(74)
		6943108	C	P060600	8583-PO132256	Akinwande /Akintunde I	01/15/20	04/14/21	34,720	100,000	65,280
	010883 Zona Technolog	6941723	C	P061090	ZTSMIT-CHAOTIC-II	Wang /Qiqi	03/29/19	07/01/21	96,937	232,174	135,237
	105170 National Aerosp	6941220	C	P061090	AGMT. DTD. 06/24/2019	Harris /Wesley L	06/24/19	06/23/21	69,613	125,000	55,387
	Total by Primary Sponsor								11,874,181	67,681,987	8,640,998
000108 Air Force Research Laboratory	000108 Air Force Research Laboratory	6930429	C	P061093	FA8650-14-C-2472	Haimes /Robert	08/07/14	02/07/20	105,272	2,194,767	1
		6932229	C	P067952	FA8650-15-C-7564	Rinard /Martin C	06/30/15	11/30/19	565,597	7,136,221	0
		6933809	C	P267111	FA8750-16-2-0141	Englund /Dirk R.	03/24/16	03/30/20	292,756	809,752	(33,129)
		6934286	C	P267111	FA8750-16-2-0141	Englund /Dirk R.	06/10/16	06/10/18	0	13,248	0
		6936227	C	P067952	FA8750-17-2-0126	Amarasinghe /Saman P	02/03/17	05/03/21	578,449	2,027,813	52,243
		6936229	C	P061093	FA8650-14-C-2472	Haimes /Robert	05/08/17	02/07/20	321,319	1,734,146	(0)
		6936511	C	P067952	FA8750-17-2-0126	Jegelka /Stefanie Sabrina	02/03/17	05/03/21	117,719	250,476	(21,337)
		6937011	C	P267600	FA8650-17-1-7713	Watts /Michael R	09/29/17	11/30/20	1,179	855,119	544,416
		6937179	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	08/24/21	348,362	1,164,425	283,871
		6937180	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	08/24/21	202,910	836,587	(59,864)
		6937181	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	08/24/21	459,126	1,150,081	10,832
		6937459	C	P154500	FA8750-17-C-0239	Mansinghka /Vikash K	09/27/17	09/26/21	694,708	2,004,861	93,205
		6937767	C	P267600	FA8650-17-1-7713	Watts /Michael R	09/29/17	11/30/20	29,463	430,001	(388,493)
		6937768	C	P267600	FA8650-17-1-7713	Watts /Michael R	09/29/17	11/30/20	0	99,400	0
		6938213	C	P267600	FA8650-17-1-7713	Watts /Michael R	09/29/17	03/31/19	0	77,288	0
		6938358	C	P065004	FA9453-18-2-0017	Kim /Jeehwan	02/26/18	02/25/21	85,003	300,000	133,731
		6940614	C	P267111	FA8750-16-2-0141	Englund /Dirk R.	04/10/19	03/30/20	13,212	15,000	1,308
		6940953	C	P067952	FA8750-19-2-1000	Rus /Daniela L	05/17/19	05/16/24	0	4,646,000	4,646,000
		6941017	C	P067952	FA8750-19-2-1000	Rus /Daniela L	05/17/19	05/16/24	934,350	1,575,711	641,360
		6941346	C	P267111	FA8750-16-2-0141	Englund /Dirk R.	08/01/19	03/30/20	9,984	10,000	16
		6941487	C	P267111	FA8750-16-2-0141	Englund /Dirk R.	09/01/19	03/30/20	8,178	12,000	3,822
		6941962	C	P310000	FA8750-19-2-1000	Kepner /Jeremy	07/01/19	05/16/24	1,532	22,875	21,343
		6941963	C	P067952	FA8750-19-2-1000	Rus /Daniela L	07/01/19	05/16/24	0	20,640	20,640
		6941964	C	P067952	FA8750-19-2-1000	Rus /Daniela L	07/01/19	05/16/24	125,159	310,836	185,677
		6942337	C	P067952	FA8750-19-2-1000	Rus /Daniela L	01/01/20	12/31/22	0	0	0
		6942358	C	P067952	FA8750-19-2-1000	Rus /Daniela L	01/01/20	12/31/22	114,076	288,743	174,667
		6942369	C	P061093	FA8750-19-2-1000	Balakrishnan /Hamsa	01/01/20	12/31/22	73,866	195,342	121,476
		6942370	C	P067952	FA8750-19-2-1000	Isola /Phillip John	01/01/20	12/31/22	45,206	301,799	256,593
		6942371	C	P068700	FA8750-19-2-1000	Karaman /Sertac	01/01/20	12/31/22	125,424	150,000	24,576
		6942372	C	P067952	FA8750-19-2-1000	Glass /James R	01/01/20	12/31/22	0	0	0
		6942373	C	P061090	FA8750-19-2-1000	Newman /Dava J	01/01/20	12/31/22	0	15,064	15,064
		6942374	C	P267110	FA8750-19-2-1000	Heldt /Thomas	01/01/20	12/31/22	131,849	210,468	78,619

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		6942375	C	P067952	FA8750-19-2-1000	Leiserson /Charles E	01/01/20	12/31/22	0	0	0	
		6942383	C	P067952	FA8750-19-2-1000	Edelman /Alan	01/01/20	12/31/22	148,733	346,186	197,453	
		6942384	C	P267110	FA8750-19-2-1000	Wornell /Gregory W	01/01/20	12/31/22	0	32,000	32,000	
		6942386	C	P067952	FA8750-19-2-1000	O'Reilly /Una-May	01/01/20	12/31/22	49,811	50,000	189	
		6942403	C	P267111	FA8750-16-2-0141	Englund /Dirk R.	03/24/16	03/30/20	16,974	50,000	33,026	
		6942412	C	P067952	FA8750-19-2-1000	Glass /James R	01/01/20	12/31/22	112,311	99,494	(12,817)	
		6942413	C	P405044	FA8750-19-2-1000	Miyagawa /Shigeru	01/01/20	12/31/22	24,452	40,627	16,175	
		6942414	C	P061090	FA8750-19-2-1000	Newman /Dava J	01/01/20	12/31/22	97,694	99,753	2,060	
		6942415	C	P067952	FA8750-19-2-1000	Madry /Aleksander	01/01/20	12/31/22	182,960	190,024	7,065	
		6942416	C	P067952	FA8750-19-2-1000	Agrawal /Pulkit	01/01/20	12/31/22	23,204	70,000	46,796	
		6942417	C	P068700	FA8750-19-2-1000	Ozdaglar /Asuman E	01/01/20	12/31/22	72,027	312,500	240,473	
		6942427	C	P067952	FA8750-19-2-1000	Rus /Daniela L	01/01/20	12/31/22	150,865	207,983	57,118	
		6942428	C	P061093	FA8750-19-2-1000	Balakrishnan /Hamsa	01/01/20	12/31/22	146,689	212,342	65,653	
		6942429	C	P068700	FA8750-19-2-1000	Karaman /Sertac	01/01/20	12/31/22	134,833	190,000	55,167	
		6942430	C	P067952	FA8750-19-2-1000	Glass /James R	01/01/20	12/31/22	214,546	195,773	(18,773)	
		6942431	C	P067952	FA8750-19-2-1000	Isola /Phillip John	01/01/20	12/31/22	154,802	50,000	(104,802)	
		6942432	C	P267110	FA8750-19-2-1000	Heldt /Thomas	01/01/20	12/31/22	36,716	59,600	22,884	
		6942433	C	P067952	FA8750-19-2-1000	Edelman /Alan	01/01/20	12/31/22	143,275	50,000	(93,275)	
		6942434	C	P267110	FA8750-19-2-1000	Wornell /Gregory W	01/01/20	12/31/22	84,985	50,000	(34,985)	
		6942435	C	P067952	FA8750-19-2-1000	Leiserson /Charles E	01/01/20	12/31/22	544,013	400,697	(143,316)	
		6942436	C	P067952	FA8750-19-2-1000	Kraska /Tim	01/01/20	12/31/22	162,637	226,194	63,557	
		6942437	C	P061090	FA8750-19-2-1000	Newman /Dava J	01/01/20	12/31/22	169,209	205,281	36,072	
		6942438	C	P067952	FA8750-19-2-1000	Madry /Aleksander	01/01/20	12/31/22	118,403	96,866	(21,537)	
		6942439	C	P067952	FA8750-19-2-1000	Agrawal /Pulkit	01/01/20	12/31/22	203,886	190,000	(13,886)	
		6942440	C	P068700	FA8750-19-2-1000	Ozdaglar /Asuman E	01/01/20	12/31/22	168,462	87,500	(80,962)	
		6942441	C	P153000	FA8750-19-2-1000	Hill /Christopher N	01/01/20	12/31/22	54,762	94,965	40,203	
		6942452	C	P067952	FA8750-19-2-1000	Leiserson /Charles E	01/01/20	12/31/22	231,862	282,962	51,100	
		6942453	C	P067952	FA8750-19-2-1000	Kraska /Tim	01/01/20	12/31/22	186,982	182,524	(4,458)	
		6942495	C	P068700	FA8750-19-2-1000	Carlone /Luca	01/01/20	12/31/22	61,136	60,000	(1,136)	
		6942501	C	P067952	FA8750-19-2-1000	Glass /James R	01/01/20	12/31/22	56,962	98,425	41,463	
		6942512	C	P267110	FA8750-19-2-1000	Wornell /Gregory W	01/01/20	12/31/22	0	50,000	50,000	
		6942513	C	P267110	FA8750-19-2-1000	Wornell /Gregory W	01/01/20	12/31/22	29,529	84,000	54,471	
		6942514	C	P068700	FA8750-19-2-1000	Polyanskiy /Yury	01/01/20	12/31/22	5,498	84,000	78,502	
		6942755	C	P067952	FA8750-19-2-1000	Isola /Phillip John	01/01/20	12/31/22	28,130	50,000	21,870	
		6942794	C	P067952	FA8750-19-2-1000	Broderick /Tamara A	01/01/20	12/31/22	34,748	58,412	23,664	
		6942868	C	P067952	FA8750-19-2-1000	Ghobadi /Manya	01/01/20	12/31/22	43,438	43,405	(33)	
		6942869	C	P067952	FA8750-19-2-1000	Freeman /William T	01/01/20	12/31/22	128,728	50,000	(78,728)	
		6943099	C	P267200	FA8750-19-2-1000	Soljacic /Marin	01/01/20	12/31/22	90,171	70,000	(20,171)	
		6943129	C	P067952	FA8750-19-2-1000	Madry /Aleksander	01/01/20	12/31/22	6,006	0	(6,006)	
		6943130	C	P068700	FA8750-19-2-1000	Parrilo /Pablo A	01/01/20	12/31/22	4,255	0	(4,255)	
		6943157	C	P067952	FA8750-19-2-1000	Barzilay /Regina	01/01/20	12/31/22	35,571	70,000	34,429	
		6943167	C	P405044	FA8750-19-2-1000	Miyagawa /Shigeru	01/01/20	12/31/22	0	15,000	15,000	
		004653 Universal Techn	6936095	C	P065004	17-S8401-05-C1	Annaswamy /Anuradha M	04/01/17	10/30/21	109,876	329,000	4,730
		005222 Metis Design Co	6936775	C	P060600	SBIR AGMT EFF 8/27/17	Shulaker /Max M.	08/27/17	01/31/20	115,156	300,000	(4,179)

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	005333 Brown Universit	6939420	C	P067952	SUBAWARD # 00001240	Kraska /Tim	05/01/18	04/30/20	443,493	649,904	(0)
	005678 Draper Laborat	6937745	C	P066000	SC001-1138	Macfarlane /Robert J	09/01/17	07/31/19	4,076	34,321	0
	007255 Rice University	6933218	C	P067952	SUBAWARD NO. R19091	Mithal /Arvind	11/19/15	11/19/19	(58,068)	1,314,439	6,101
		6934370	C	P067952	SUBAWARD NO. R19091	Mithal /Arvind	11/19/15	11/19/17	0	0	0
	007615 University of Ari	6940557	C	P061096	SUBAWARD NO. 506417	Linares /Richard	01/01/19	06/20/20	61,848	85,000	415
	007641 University of Mi	6936329	C	P061093	3004427924	Willcox /Karen E	01/15/17	07/14/19	1,081	359,887	(23)
	009001 Lincoln Laboratory	6941416	C	P065005	PO# 7000462136	Zhao /Xuanhe	09/01/19	08/31/20	27,341	50,000	22,659
		6941418	C	P065004	PO #7000462800	Benjamin /Michael R	08/01/19	08/15/20	84,502	89,738	5,236
		6941483	C	P065004	PO #7000462800	Benjamin /Michael R	08/01/19	08/15/20	23,357	20,262	(3,095)
	010340 UES, Inc.	6934325	C	P267200	SUBCONTRACT NO. S-11-	Soljacic /Marin	08/16/17	03/31/19	(233)	20,843	(0)
		6942017	C	P069201	SUB NO. S-111-051-006	Voigt /Christopher A.	10/17/19	10/17/20	53,496	200,000	146,504
		6942676	C	P065004	SUBCONTRACT# S-111-06	Hart /Anastasios John	09/01/19	08/31/20	6,173	22,560	16,387
	010948 GE Global Research	6942342	C	P060051	PO 401134429	Fraenkel /Ernest	11/01/19	12/31/20	0	0	0
		6942343	C	P069201	PO 401134429	Fraenkel /Ernest	11/01/19	12/31/20	135,907	499,500	363,593
	011380 TIPD, LLC	6941048	C	P039000	SUBCONTRACT UNDER F	Bove /V Michael	01/01/19	10/04/19	5,977	22,500	0
	011882 BAE Systems	6933705	C	P067952	SUBCONTRACT NUMBER	Chlipala /Adam	11/24/15	01/31/17	0	183,837	(0)
		6935282	C	P067952	SUBCONTRACT NUMBER	Chlipala /Adam	11/14/16	11/25/17	0	205,424	0
		6937862	C	P067952	SUBCONTRACT NUMBER	Chlipala /Adam	11/26/17	11/30/18	0	279,799	0
		6939994	C	P067952	921019-11	Chlipala /Adam	11/24/18	11/23/19	50,970	241,954	(0)
	104062 SUNY: AIM Photonics	6933028	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	12/31/20	0	730,191	730,191
		6933045	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	1,102,408	1,102,408
		6933046	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	2,563,152	0
		6933048	C	P069850	AGMT. DTD. 3/22/2016	Kirchain /Randolph E	07/27/15	10/31/17	0	140,150	(0)
		6933049	C	P069850	AGMT. DTD. 3/22/2016	Agarwal /Anuradha	07/27/15	10/31/17	0	142,131	0
		6933050	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	0	0
		6934107	C	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/16	10/31/17	0	348,277	0
		6934109	C	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/16	10/31/17	0	314,086	0
		6934110	C	P267500	AGMT. DTD. 3/22/2016	White /Jacob K	01/01/16	10/31/17	0	195,325	(0)
		6934111	C	P267200	AGMT. DTD. 3/22/2016	Johnson /Steve	01/01/16	10/31/17	0	191,906	0
		6936138	C	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/17	05/31/18	0	63,760	(0)
		6936140	C	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/17	05/31/18	0	61	(0)
		6936142	C	P267110	AGMT. DTD. 3/22/2016	Johnson /Steven G	01/01/17	05/31/18	0	7,270	0
		6936145	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	06/30/18	0	725,448	(1,258)
		6936146	C	P069850	AGMT. DTD. 3/22/2016	Kirchain /Randolph E	01/01/17	12/31/17	0	24,764	0
		6936147	C	P069850	AGMT. DTD. 3/22/2016	Agarwal /Anuradha	01/01/17	12/31/17	0	65,066	(0)
		6936148	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	01/31/18	0	95,200	(0)
		6936149	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	12/31/17	0	6,500	0
		6937904	C	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/18	06/30/19	0	224,668	0
		6937909	C	P267500	AGMT. DTD. 3/22/2016	White /Jacob K	01/01/18	12/31/18	0	44,411	0
		6937910	C	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/18	12/31/18	0	125,000	0
		6938269	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/18	12/31/18	0	2,771,653	1,086,982
		6940845	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/19	12/31/19	558,874	1,600,151	460,778
	Total by Primary Sponsor								11,167,793	50,055,724	11,391,312
000113 Asian Office of	000113 Asian Office of	6936219	C	P065004	FA2386-17-1-4661	Kim /Sangbae	04/25/17	04/24/20	92,491	600,000	1,251

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Office of Aerospace Research and Development	Total by Primary Sponsor								92,491	600,000	1,251
000120 Army	000120 Army	6934742	C	P121400	W911NF-16-2-0176	Carroll /John Stephen	06/01/16	08/08/20	275,862	1,730,000	409,571
		6939282	C	P267200	W911NF1810411	Oliver /William D	08/01/18	07/31/21	443,356	1,484,247	665,730
		6939283	C	P267200	W911NF1810411	Oliver /William D	08/01/18	07/31/21	138,860	465,753	257,021
		6940421	C	P063007	W911NF1920098	Buehler /Markus J	03/15/19	03/14/22	107,453	216,274	103,732
		6940964	C	P402000	W9132T1920004	Manalis /Scott R	07/01/19	06/30/20	25,211	120,000	94,789
		6943391	C	P402000	W911SR20C0031	Belcher /Angela M	06/01/20	05/31/22	0	3,000,000	3,000,000
	004367 Sri International	6931008	C	P067952	SUBCONTRACT 27-00144	Shrobe /Howard E	10/08/14	10/08/19	73,668	845,425	29
	005423 Carnegie-Mellon University	6941570	C	P067952	1130236-420697	Roy /Nicholas	08/01/19	07/31/20	0	0	0
		6941571	C	P067952	1130236-420697	Roy /Nicholas	08/01/19	07/31/20	108,990	163,150	54,161
		6941821	C	P061090	1130236-420697	How /Jonathan P	08/01/19	07/31/20	82,218	163,151	80,933
		6942018	C	P067952	1130236-420697	Leonard /John J	08/01/19	07/31/20	151,944	163,151	11,207
	007533 University of California-Santa Barbara	6940457	C	P069201	SUBAWARD NO. KK1955	Lauffenburger /Douglas A	12/01/18	11/30/21	0	0	0
		6940558	C	P165000	SUBAWARD NO. KK1955	Ribbeck /Katharina	12/01/18	11/30/21	177,039	329,321	57,605
		6940559	C	P165000	SUBAWARD NO. KK1955	Bathe /Mark	12/01/18	11/30/21	74,707	164,385	83,845
		6940560	C	P066000	SUBAWARD NO. KK1955	Macfarlane /Robert J	12/01/18	11/30/21	107,210	174,936	64,644
		6940561	C	P069201	SUBAWARD NO. KK1955	Lauffenburger /Douglas A	12/01/18	11/30/21	147,808	377,437	133,195
		6940562	C	P069201	SUBAWARD NO. KK1955	Voigt /Christopher A.	12/01/18	11/30/21	95,075	329,321	145,287
		6941151	C	P069200	KK9151	Lauffenburger /Douglas A	11/15/18	11/14/19	71,295	71,295	(0)
		6941194	C	P069201	KK9151	Voigt /Christopher A.	11/15/18	11/14/19	87,690	87,690	0
		007625 University of California	6929254	C	P066000	KK9151	Belcher /Angela M	12/01/13	11/30/18	0	2,731
	6929258		C	P069200	KK9151-31	Fraenkel /Ernest	12/01/13	03/31/15	0	90,239	0
	6929263		C	P066000	KK9151-33	Belcher /Angela M	12/01/13	11/30/16	0	548,682	(0)
	6929266		C	P065004	KK9151-35	Buie /Cullen	12/01/13	03/31/15	0	100,000	0
	6929267		C	P062000	KK9151-35	Doyle /Patrick S	12/01/13	11/30/16	0	318,456	0
	6929268		C	P062000	KK9151-35	Prather /Kristala L	12/01/13	11/30/16	0	243,492	0
	6941708		C	P069201	SUBAWARD NO. KK1957-4	Voigt /Christopher A.	02/14/19	02/13/21	96,732	300,000	203,268
	104091 QinetiQ North America, Inc.	6940073	C	P065004	SUB3-00233	Asada /Haruhiko	08/01/18	10/14/19	17,858	205,000	(16,236)
		6940243	C	P065004	SUB3-00233	Hogan /Neville	08/01/18	10/14/19	33,424	110,000	(2)
	Total by Primary Sponsor								2,316,400	11,804,137	5,351,511
	000124 Army Research Office	000124 Army Research Office	6924551	C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/20	0	18,827
6924603			C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/20	193,532	1,610,820	(4,192)
6924604			C	P267100	W911NF-11-1-0400	Vuletic /Vladan	09/01/11	08/10/17	0	686,816	(0)
6924605			C	P267110	W911NF-11-1-0400	Lloyd /Seth	09/01/11	02/28/17	0	425,000	0
6924606			C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	02/28/17	0	668,471	(0)
6924607			C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/20	300,001	3,898,142	421
6924608			C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/18	0	391,963	0
6928382			C	P267100	W911NF-11-1-0400	Cappellaro /Paola	07/01/13	08/31/14	0	49,209	0
6931773			C	P069850	W911NF-15-1-0128	Gedik /Nuh	05/01/15	12/31/20	122,449	749,997	67,613
6931898			C	P065004	W911NF-15-1-0166	Hosoi /Anette E	04/29/15	06/28/19	3,583	835,919	0
6931906			C	P065004	W911NF-15-1-0196	Kamrin /Kenneth N	03/01/15	07/05/19	(478)	440,075	0
6933386			C	P069850	W911NF-16-1-0034	Checkelsky /Joseph	01/01/16	12/31/20	207,568	627,087	(19,898)

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		6933559	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	08/16/20	487,694	2,647,293	31,703
		6933680	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	12/16/18	0	614,144	0
		6933681	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	08/16/20	378,351	1,252,432	27,701
		6933682	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	08/16/20	146,022	423,878	2,899
		6933683	C	P062000	W911NF-16-2-0023	Myerson /Allan S.	02/17/16	08/16/20	174,091	955,365	23,887
		6933684	C	P152000	W911NF-16-2-0023	Jamison /Timothy F	02/17/16	08/16/20	435,141	2,079,177	210,560
		6933685	C	P062000	W911NF-16-2-0023	Green /William H	02/17/16	08/16/20	336,041	1,053,441	13,984
		6933686	C	P062000	W911NF-16-2-0023	Braatz /Richard D	02/17/16	08/16/20	279,944	1,074,420	52,272
		6933687	C	P067952	W911NF-16-2-0023	Barzilay /Regina	02/17/16	08/16/20	137,637	872,533	26,668
		6933688	C	P067952	W911NF-16-2-0023	Jaakkola /Tommi S	02/17/16	08/16/20	165,813	651,227	71,513
		6934570	C	P065004	W911NF-16-1-0440	Kamrin /Kenneth N	08/01/16	08/31/21	155,588	510,274	55,704
		6934600	C	P153000	W911NF-16-1-0440	Perron /Jay Taylor	08/01/16	08/31/21	106,367	435,965	3,622
		6934825	C	P267111	W911NF-16-2-0192	Berggren /Karl K	08/15/16	08/14/20	458,414	1,186,121	35,937
		6934968	C	P039020	W911NF-16-1-0568	Gershenfeld /Neil A	07/01/16	09/11/19	26,427	1,449,514	0
		6934973	C	P267111	W911NF-16-2-0192	Berggren /Karl K	08/15/16	08/14/20	107,594	466,759	26,645
		6935061	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	10/01/16	08/16/20	14,988	224,313	(10,168)
		6935719	C	P067952	W911NF-17-1-0068	Solomon /Justin	01/02/17	01/31/20	1,845	360,000	(13,596)
		6935977	C	P039070	W911NF-17-2-0043	Herr /Hugh M	01/01/17	03/14/17	0	31,457	0
		6935978	C	P039070	W911NF-17-2-0043	Herr /Hugh M	03/15/17	03/30/21	188,887	1,946,145	161,845
		6936119	C	P152000	W911NF-17-1-0174	Dinca /Mircea	05/01/17	04/30/20	90,990	476,197	(837)
		6936242	C	P069850	W911NF-17-1-0223	Tuller /Harry L	05/01/17	12/29/19	12,447	108,826	(0)
		6936322	C	P039070	W911NF-17-2-0043	Herr /Hugh M	03/15/17	09/05/19	9,202	172,398	0
		6936360	C	P267111	W911NF-17-1-0268	Englund /Dirk R.	05/15/17	05/14/19	(84)	187,092	0
		6936452	C	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/17	09/14/19	(7,623)	331,110	(0)
		6936454	C	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/17	09/14/19	6,385	80,260	(0)
		6936458	C	P069201	W911NF-17-2-0077	Oxman /Neri	05/15/17	09/14/19	22,325	327,697	(0)
		6936459	C	P069201	W911NF-17-2-0077	Oxman /Neri	05/15/17	09/14/19	17,763	311,793	0
		6936461	C	P069201	W911NF-17-2-0077	Buie /Cullen	05/15/17	09/14/19	(3,782)	116,614	(0)
		6936639	C	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	1,954	301,096	(0)
		6936640	C	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	(137)	390,793	(0)
		6936641	C	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	(317)	182,207	(0)
		6936643	C	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	5,394	827,218	0
		6936644	C	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	3,433	144,193	0
		6937086	C	P159900	W911NF-17-1-0433	Harrow /Aram W.	08/28/17	02/28/21	276,051	866,231	93,915
		6937115	C	P267111	W911NF-17-1-0435	Englund /Dirk R.	09/05/17	09/04/20	84,147	299,313	52,250
		6937147	C	P152000	W911NF-17-1-0521	Johnson /Jeremiah A.	10/01/17	09/30/20	56,010	360,000	77,371
		6937274	C	P065005	W911NF-17-1-0527	Lloyd /Seth	09/29/17	09/30/21	252,154	1,500,000	884,217
		6937522	C	P068700	W911NF-17-1-0508	Modiano /Eytan H	09/25/17	09/24/21	118,796	385,600	137,534
		6937606	C	P069850	W911NF-16-1-0034	Checkelsky /Joseph	11/01/17	03/31/19	(9,737)	22,411	0
		6937871	C	P067952	W911NF-18-1-0063	Broderick /Tamara A	12/30/17	12/29/20	114,885	346,141	21,844
		6938067	C	P417000	W911NF-18-2-0055	Strano /Michael S.	01/16/18	01/15/21	187,455	500,000	99,367
		6938153	C	P062000	W911NF-16-2-0023	Myerson /Allan S.	02/12/18	08/16/20	358,618	766,525	7,552
		6938154	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/12/18	02/16/20	(3,913)	78,752	(14,569)
		6938222	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	03/01/18	02/16/20	2,130	118,589	0
		6938355	C	P065004	W911NF-18-1-0118	Kamrin /Kenneth N	03/01/18	10/31/20	150,751	195,000	(40,903)

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		6938399	C	P267200	W911NF-18-1-0116	Oliver /William D	04/01/18	03/31/21	279,441	1,057,073	384,934
		6938513	C	P158000	W911NF-18-1-0116	Levitov /Leonid	04/01/18	03/31/20	82,947	270,000	65,487
		6938515	C	P158000	W911NF-18-1-0116	Jarillo-Herrero /Pablo	04/01/18	03/31/21	92,474	350,000	168,548
		6938817	C	P069201	W911NF-17-2-0077	Buie /Cullen	05/15/18	09/14/19	47,308	199,809	(0)
		6938819	C	P069201	W911NF-17-2-0077	Lu /Timothy K	05/15/18	09/14/19	74,711	254,211	(0)
		6939264	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	(5,032)	0	0
		6939278	C	P267111	W911NF-17-1-0435	Englund /Dirk R.	09/05/17	09/04/20	4,826	14,400	(1,689)
		6939336	C	P165000	W911NF1810436	Bathe /Mark	09/10/18	09/09/20	15,194	70,000	15,099
		6939390	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	306,582	451,953	41,418
		6939391	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	357,172	451,953	723
		6939392	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	45,424	234,453	128,576
		6939636	C	P068700	W911NF-18-1-0407	Ozdaglar /Asuman E	09/01/18	07/27/21	251,235	350,000	(12,015)
		6939637	C	P069201	W911NF-18-2-0257	Weiss /Ron	10/01/18	12/31/20	0	0	0
		6939717	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	79,988	270,580	203
		6939718	C	P267100	W911NF1810432	Kong /Jing	06/03/18	08/31/21	64,236	271,060	(4,407)
		6939805	C	P068700	W911NF-18-2-0257	Sra /Suvrit	10/01/18	12/31/19	63,122	83,115	0
		6939806	C	P069201	W911NF-18-2-0257	Weiss /Ron	10/01/18	02/29/20	62,938	186,859	1,560
		6939807	C	P069201	W911NF-18-2-0257	Weiss /Ron	10/01/18	02/29/20	197,937	179,957	(17,980)
		6939808	C	P068700	W911NF-18-2-0257	Sra /Suvrit	10/01/18	12/31/19	0	0	0
		6939809	C	P069201	W911NF-18-2-0257	Weiss /Ron	07/01/18	02/29/20	34,406	48,978	12,902
		6939911	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	12/31/20	17,801	20,000	(9,435)
		6940026	C	P062000	W911NF1920034	Jensen /Klavs F	10/01/18	11/30/20	157,028	314,295	41,745
		6940072	C	P243021	W911NF1920041	Moodera /Jagadeesh	09/10/18	12/09/19	54,002	100,000	(0)
		6940076	C	P069400	W911NF-19-1-0057	Jadbabaie-Moghadam /Ali	10/01/18	12/31/21	453,495	750,000	187,154
		6940226	C	P065005	W911NF-19-1-0098	Patera /Anthony T	02/01/19	01/31/21	149,681	281,862	49,256
		6940478	C	P069201	W911NF1920105	Voigt /Christopher A.	03/18/19	12/17/20	228,550	287,372	18,950
		6940504	C	P068700	W911NF1910156	Modiano /Eytan H	12/15/18	03/14/21	119,609	150,715	30,578
		6940514	C	P069201	W911NF1920105	Voigt /Christopher A.	03/18/19	12/17/20	217,644	232,691	11,270
		6940663	C	P267111	W911NF-16-2-0192	Berggren /Karl K	04/22/19	08/14/20	0	13,500	777
		6940691	C	P069400	W911NF-19-1-0217	Jadbabaie-Moghadam /Ali	03/01/19	05/31/22	1,169,433	1,562,500	323,880
		6940722	C	P065004	W911NF-19-1-0311	Gallant /Betar Maurkah	05/15/19	05/14/21	40,140	68,000	17,329
		6940841	C	P063007	W911NF-19-1-0275	Cohen /Tal	05/13/19	05/12/22	148,793	300,000	133,465
		6940854	C	P068700	W911NF-19-1-0322	Karaman /Sertac	05/29/19	05/28/22	123,033	170,000	46,967
		6941212	C	P060600	W911NF1910372	Palacios /Tomas	06/20/19	06/19/20	94,896	60,000	(34,896)
		6941398	C	P402000	W911NF1920211	Love /John C	06/27/19	06/26/21	715,714	1,319,060	603,346
		6941613	C	P267100	W911NF1910517	Vuletic /Vladan	09/26/19	09/25/21	101,429	301,000	199,571
		6941688	C	P267100	W911NF-19-1-0511	Zwierlein /Martin Wolfram	09/20/19	03/31/21	178,027	572,382	394,355
		6941752	C	P267500	W911NF-19-1-0481	Chuang /Isaac	09/26/19	09/26/20	199,208	245,240	46,032
		6941866	C	P267500	W911NF-19-1-0481	Chuang /Isaac	09/26/19	09/26/20	136,178	265,952	129,774
		6942012	C	P267500	W911NF-19-1-0481	Chuang /Isaac	09/27/19	09/26/20	50,974	138,808	87,834
		6942268	C	P267100	W911NF-19-1-0511	Zwierlein /Martin Wolfram	09/20/19	06/19/20	0	60,207	60,207
		6942425	C	P267100	W911NF1910517	Vuletic /Vladan	09/26/19	09/25/21	4,449	199,000	194,551
		6942472	C	P267111	W911NF-16-2-0192	Berggren /Karl K	08/15/16	08/14/20	4,486	8,620	4,134
		6942988	C	P243021	W911NF2020061	Moodera /Jagadeesh	03/11/20	03/10/21	0	150,000	150,000

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		6943030	C	P267100	W911NF-19-1-0511	Zwierlein /Martin Wolfram	03/01/20	06/19/20	0	50,000	50,000
		6943101	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/21	8,199	288,734	280,535
		6943140	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/21	0	732,952	732,952
		6943141	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/21	0	256,952	256,952
		6943195	C	P065005	W911NF2010100	Sapsis /Themistoklis Panagioti	05/07/20	05/06/23	0	60,000	60,000
		6943249	C	P062000	W911NF2010200	Tisdale /William	05/20/20	03/19/21	8,418	40,000	31,582
		6943329	C	P267111	W911NF2010084	Englund /Dirk R.	06/01/20	05/31/23	609	50,000	49,391
		6943343	C	P243021	W911NF-20-1-0074	Moodera /Jagadeesh	06/15/20	06/14/21	0	424,981	424,981
		6943380	C	P067952	W911NF-20-1-0168	Solomon /Justin	06/15/20	06/14/22	0	80,174	80,174
		6943445	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/21	0	171,362	171,362
	002930 General Dynamics	6936534	C	P067952	PO# 40279278	Roy /Nicholas	01/01/17	08/31/20	(37,108)	440,023	(112,917)
		6936535	C	P067952	PO# 40279278	Roy /Nicholas	01/01/17	08/31/20	0	150,007	29,727
		6936536	C	P067952	PO# 40279278	Roy /Nicholas	01/01/17	08/31/20	27,201	100,000	(67,041)
		6936537	C	P065004	PO# 40279278	Kim /Sangbae	01/01/17	08/31/20	57,639	90,000	22
		6940646	C	P067952	PO# 40279278	Roy /Nicholas	03/12/19	08/31/20	104,216	310,896	206,680
	005274 Boston Universi	6941261	C	P267200	4500003079	Ram /Rajeev J	05/01/19	07/31/20	146,099	154,887	8,787
		6942090	C	P267200	4500003079	Ram /Rajeev J	05/01/19	07/31/20	10,064	15,007	4,943
		6942092	C	P267200	4500003079	Ram /Rajeev J	05/01/19	11/10/19	5,106	5,106	0
	005408 California Instit	6939667	C	P417500	S396000	Gedik /Nuh	09/11/18	08/31/20	109,797	183,925	64,297
	005690 Duke University	6939801	C	P267200	313-0837	Oliver /William D	09/01/18	08/31/21	307,549	332,324	(53,993)
	005935 Georgia Institut	6941447	C	P062000	AWD-000084-G3	Strano /Michael S.	07/01/19	06/30/22	190,859	238,821	47,962
	006112 Harvard Medica	6936761	C	P061902	GEORGE_CHAO_153170	Greenberg /Julie E	06/01/17	05/31/18	0	64,146	0
	006120 Harvard University	6932898	C	P267111	134062-5093041	Englund /Dirk R.	09/10/15	12/09/16	0	0	0
		6933226	C	P267111	134062-5093041	Englund /Dirk R.	09/10/15	12/09/16	0	257,884	(0)
		6933227	C	P267100	134062-5093041	Cappellaro /Paola	09/10/15	12/09/16	0	80,225	(0)
		6933228	C	P039070	134062-5093041	Boyden /Edward	09/10/15	12/09/16	0	242,803	0
		6936171	C	P267111	134062-5093041	Englund /Dirk R.	12/10/16	11/30/20	197,890	514,787	75,303
		6936173	C	P039070	134062-5093041	Boyden /Edward	12/10/16	11/30/20	203,372	549,287	60,283
		6936185	C	P267100	134062-5093041	Cappellaro /Paola	12/10/16	11/30/20	70,092	234,643	61,702
		6936312	C	P267111	134062-5093041	Englund /Dirk R.	05/01/17	11/30/20	0	20,000	(11,460)
		6939434	C	P069850	134119-5110647	Jarillo-Herrero /Pablo	07/01/18	08/31/21	119,177	201,375	29,095
		6941950	C	P267111	134062-5093041	Englund /Dirk R.	12/10/16	11/30/20	12,719	14,500	1,781
		6937601	C	P417000	504108-78053	Schuh /Christopher A	10/01/17	03/29/19	0	188,835	98,173
	006875 Northeastern University	6940208	C	P417000	504126-78055	Schuh /Christopher A	10/01/18	12/31/19	221,119	311,165	602
		6942992	C	P417000	504141-78050	Schuh /Christopher A	01/01/20	12/31/20	0	0	0
		6943253	C	P417000	504141-78050	Schuh /Christopher A	01/01/20	12/31/20	21,428	100,000	78,572
	007232 Research Foun	6941275	C	P267111	R1173649	Grossman /Jeffrey C.	08/01/18	05/01/21	23,255	47,000	23,745
	007533 University of California-Santa Barba	6932998	C	P122030	KK1622	Malone /Thomas W	09/15/15	04/14/21	230,033	991,236	32,099
		6935172	C	P400600	KK1713	Graybiel /Ann M	09/01/16	09/30/20	356,448	924,951	(42,220)
		6937076	C	P065005	KK1808	Sapsis /Themistoklis Panagioti	08/01/17	07/31/20	234,338	625,000	(113,060)
		6940747	C	P069201	SUBAWARD NO. KK1957	Lauffenburger /Douglas A	12/01/18	10/31/21	0	0	0
		6940755	C	P069201	SUBAWARD NO. KK1957-4	Lauffenburger /Douglas A	02/14/19	02/13/21	258,231	580,000	321,769
		6940756	C	P069201	SUBAWARD NO. KK1957-4	Lauffenburger /Douglas A	12/01/18	11/30/19	0	42,000	42,000
	007623 University of Chicago	6929146	C	P267100	FP054294-C	Ketterle /Wolfgang	10/18/13	08/31/20	188,172	774,143	18,916

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007625 University of California	Chicago	6930248	C	P267100	FP054294-C	Ketterle /Wolfgang	04/01/14	07/31/19	0	386,681	261
	007625 University of California	6919765	C	P069200	KK9151	Lauffenburger /Douglas A	12/01/08	11/30/19	0	136	136
		6919767	C	P402010	KK9151-1	Manalis /Scott R	12/01/08	06/30/14	0	1,290,278	(0)
		6919782	C	P066000	KK9151-7	Belcher /Angela M	12/12/08	06/30/14	0	162,347	0
		6919783	C	P069200	KK9151	Lauffenburger /Douglas A	12/12/08	06/30/14	0	1,073,148	(0)
		6919784	C	P066000	KK9151	Belcher /Angela M	12/12/08	06/30/14	0	1,017,368	(0)
		6919785	C	P066000	KK9151	Belcher /Angela M	12/12/08	06/30/14	0	1,181,026	(0)
		6920091	C	P066000	KK9151-13	Belcher /Angela M	05/18/09	03/31/13	0	270,000	0
		6923979	C	P069200	KK9151	Fraenkel /Ernest	12/01/10	06/30/14	0	378,161	(0)
		6923986	C	P062000	KK9151	Prather /Kristala L	12/01/10	06/30/14	0	406,710	(0)
		6923987	C	P062000	KK9151	Doyle /Patrick S	12/01/10	06/30/14	0	329,608	(0)
		6924037	C	P066000	KK9151	Ortiz /Christine	12/12/08	06/30/14	0	325,515	(0)
		6924426	C	P066000	KK9151-22	Belcher /Angela M	06/14/11	06/13/12	0	250,329	0
		6925494	C	P069200	KK9151	Voigt /Christopher A.	12/01/11	06/30/14	0	229,485	0
		6925721	C	P069200	KK9151-1	Weiss /Ron	12/01/08	06/30/14	0	276,549	(0)
		6925894	C	P066000	KK9151-24	Belcher /Angela M	05/01/12	12/31/15	0	434,329	0
		6926410	C	P069200	KK9151-24	Lauffenburger /Douglas A	05/01/12	12/31/15	0	585,998	0
		6927066	C	P065004	KK9151	Buie /Cullen	12/01/10	06/30/14	0	105,602	0
		6929256	C	P069201	KK9151-30	Lauffenburger /Douglas A	12/01/13	11/30/18	0	85,435	(0)
		6929257	C	P069201	KK9151-31	Lauffenburger /Douglas A	12/01/13	11/30/18	0	1,091,322	(0)
		6929260	C	P069201	KK9151-31	Voigt /Christopher A.	12/01/13	11/30/18	0	532,929	0
		6929261	C	P069201	KK9151-31	Weiss /Ron	12/01/13	11/30/16	0	341,316	0
		6929262	C	P066000	KK9151-33	Belcher /Angela M	12/01/13	11/30/18	0	783,931	0
		6929264	C	P066000	KK9151-34	Ortiz /Christine	12/01/13	03/31/15	0	38,701	(0)
		6929265	C	P402010	KK9151-35	Manalis /Scott R	12/01/13	11/30/18	0	952,222	0
		6933077	C	P062000	KK9151-44	Prather /Kristala L	09/02/15	12/31/19	23,616	565,687	0
		6938164	C	P069201	KK9151	Voigt /Christopher A.	07/01/16	11/30/18	(628)	234,384	0
	007630 University of Pennsylvania	6926839	C	P091000	560102	Acemoglu /K. Daron	09/01/12	09/06/19	101,357	670,440	17,183
		6927220	C	P068700	560102	Ozdaglar /Asuman E	09/01/12	09/06/19	3,296	667,524	(1,370)
		6927221	C	P068700	560102	Dahleh /Munther A	09/01/12	09/06/19	92	486,024	7,317
		6927407	C	P095500	560102	Christia /Fotini	09/01/12	09/06/19	(30)	486,024	(0)
		6937858	C	P068700	560102	Jadbabaie-Moghadam /Ali	10/01/17	09/06/19	0	347,546	(12,568)
	007639 University of Washington	6931394	C	P065004	BPO4415, SUB# UWSC796	Alvarado /Jose Ramon	08/01/14	10/15/15	0	126,736	0
		6933157	C	P065004	BPO4415, SUB# UWSC796	Hosoi /Anette E	10/16/15	11/01/19	22,831	417,234	0
	007641 University of Michigan	6940978	C	P065009	PO3005498246/SUBK0001	Chen /Gang	06/01/19	05/31/22	148,799	147,494	(1,305)
	007647 University of Wisconsin	6941698	C	P065004	208	Kamrin /Kenneth N	08/14/19	01/31/21	100,889	97,900	(2,989)
	007739 University of Sydney	6932130	C	P267200	G174385 RESEARCH COL	Orlando /Terry Philip	10/06/14	10/05/15	0	162,412	0
		6933550	C	P267200	G174385 RESEARCH COL	Orlando /Terry Philip	10/06/15	10/05/16	0	104,276	(0)
		6935365	C	P267200	G174385 RESEARCH COL	Orlando /Terry Philip	10/06/16	10/05/17	0	635,318	0
		6937861	C	P267200	G174385 RESEARCH COL	Oliver /William D	10/06/17	04/05/20	29,097	529,477	5,031
		6940958	C	P267200	G174385 RESEARCH COL	Oliver /William D	06/01/19	04/05/20	111,082	142,866	28,642
	007741 University of Maryland - College Park	6932890	C	P267100	2875-Z8401005	Vuletic /Vladan	06/26/15	09/30/20	193,546	709,144	81,935
		6932951	C	P267111	28725-Z8401005	Englund /Dirk R.	06/26/15	09/30/20	176,392	838,365	43,258
		6933648	C	P267100	2875-Z8401005	Vuletic /Vladan	06/26/15	06/30/20	100,630	350,000	(77,037)

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		6934535	C	P267111	28725-Z8401005	Englund /Dirk R.	08/01/16	09/30/20	0	19,554	8,415
		6934591	C	P267111	28725-Z8401005	Englund /Dirk R.	06/01/16	06/25/18	0	6,347	0
		6936017	C	P267111	28725-Z8401005	Englund /Dirk R.	02/01/17	02/01/19	0	14,200	0
		6938456	C	P267111	28725-Z8401005	Englund /Dirk R.	11/01/17	09/30/20	0	9,390	4,100
		6941671	C	P267111	28725-Z8401005	Englund /Dirk R.	06/26/15	09/30/20	72,337	70,000	(2,337)
	010456 LongWave Pho	6940267	C	P267500	STTR AGMT UNDER W91	Hu /Qing	09/21/18	09/20/20	231,927	300,000	59,096
	Total by Primary Sponsor								16,982,433	81,956,044	8,653,780
000125 Army Corps of Engineers	000125 Army Corps of Engineers	6930281	C	P063007	W912HQ-14-C-0028	Gschwend /Philip M	08/20/14	02/20/20	14,647	689,990	0
		6930331	C	P063007	W912HQ-14-C-0034	Gschwend /Philip M	07/03/14	03/28/20	152,222	1,383,402	0
		6937134	C	P063007	W912DW-17-P-0088	Gschwend /Philip M	09/29/17	11/28/20	9,175	106,834	30,476
		6937684	C	P152000	W912HZ-17-2-0027	Swager /Timothy M	09/25/17	07/31/20	201,662	603,016	42,194
		6938748	C	P063007	W912DW-17-P-0088	Gschwend /Philip M	12/28/18	11/28/19	36,564	43,078	0
	Total by Primary Sponsor								414,269	2,826,320	72,670
000129 Army RDECOM-Adelphi	007533 University of Ca	6934736	C	P069201	KK9151	Lauffenburger /Douglas A	06/01/16	05/31/19	(6,966)	395,576	0
	Total by Primary Sponsor								(6,966)	395,576	0
000132 U.S. Army Medical Research and Material Command	000132 U.S. Army Medical Research and Material Command	6928165	C	P402010	W81XWH-13-1-0151	Hammond /Paula T	07/01/13	07/21/19	5,818	3,728,631	(0)
		6930323	C	P402000	W81XWH-14-1-0240	Hynes /Richard O	08/15/14	08/14/20	794,229	4,188,927	865,981
		6930418	C	P039070	W81XWH-14-C-0111	Herr /Hugh M	06/01/14	08/05/19	10,971	2,394,035	0
		6930500	C	P402000	W81XWH-14-1-0240	Hynes /Richard O	08/15/14	08/14/20	456,775	2,014,000	82,997
		6932663	C	P165000	W81XWH-15-1-0365	Essigmann /John M	09/30/15	09/29/19	180,902	1,156,368	(0)
		6935035	C	P267600	W81XWH-16-1-0565	Lu /Timothy K	09/01/16	08/31/20	141,067	566,325	142
		6936648	C	P267600	W81XWH-17-1-0159	Lu /Timothy K	06/01/17	05/31/20	153,065	525,836	(6,959)
		6937291	C	P065005	W81XWH-17-1-0427	Winter /Amos G	09/30/17	09/29/20	192,258	499,999	74,833
		6939602	C	P267600	W81XWH1810513	Lu /Timothy K	09/15/18	09/14/20	119,811	153,815	(12,898)
	006120 Harvard Univer	6942205	C	P061902	124164	Greenberg /Julie E	06/01/19	04/14/20	31,002	30,989	(13)
	006570 Massachusetts	6928220	C	P400600	221647	Ghosh /Satrajit S	09/30/12	09/30/16	0	87,211	12,761
	010924 Mimosa Acousti	6940745	C	P267200	AWD DTD 5/01/2019	Reed /Charlotte M	05/01/19	03/31/20	59,506	85,000	(0)
	012118 I.R.C.C.S. Istit	6933716	C	P065004	SUBAWARD UNDER W81	Kamm /Roger Dale	06/01/15	05/31/18	0	30,000	(86)
Total by Primary Sponsor								2,145,403	15,461,136	1,016,757	
000133 Army Aviation and Missile Command	100642 Modern Techno	6942083	C	P061093	AGMT DATED 9/30/19	Leveson /Nancy G	05/01/19	04/30/20	33,920	91,559	57,638
	Total by Primary Sponsor								33,920	91,559	57,638
000134 U.S. Army Natick Soldier RD&E Center	007641 University of Mi	6933569	C	P061090	3003660082	Stirling /Leia A.	09/03/15	08/31/19	42,282	830,318	(0)
	009001 Lincoln Laborat	6940010	C	P061090	PO# 7000436941	Stirling /Leia A.	08/01/18	09/30/20	104,376	167,000	(11,892)
	Total by Primary Sponsor								146,658	997,318	(11,892)
000135 ARO-ISN UARC	000135 ARO-ISN UARC	6927260	C	P417000	W911NF-13-D-0001	Joannopoulos /John	01/01/13	12/31/22	0	1,171	1,171
		6927266	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	02/08/13	12/31/22	105,319	2,112,778	1,382,753
		6927267	C	P417000	W911NF-13-D-0001, T.O. 2	Joannopoulos /John	02/08/13	12/31/22	1,250,540	9,247,704	(524,980)

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		6927268	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	12/31/22	0	0	0
		6927269	C	P417000	W911NF-13-D-0001, T.O. 4	Joannopoulos /John	02/08/13	12/31/22	0	6,245	5,599
		6927270	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	02/08/13	12/31/22	0	0	0
		6927272	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/16	0	0	0
		6927273	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	02/20/13	12/31/22	0	172,860	155,570
		6927274	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	06/26/13	12/31/22	0	0	0
		6927275	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	01/01/13	12/31/22	324,731	1,754,110	(792,882)
		6927276	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	01/01/13	12/31/22	275,387	1,210,821	(644,888)
		6927277	C	P417000	W911NF-13-D-0001, T.O. 3	Bawendi /Moungi G	02/08/13	05/31/18	0	684,946	(0)
		6927278	C	P417000	W911NF-13-D-0001, T.O. 3	Bulovic /Vladimir	02/08/13	12/31/17	0	395,421	(0)
		6927279	C	P417000	W911NF-13-D-0001, T.O. 3	Jensen /Klavs F	02/08/13	12/31/14	0	151,176	0
		6927280	C	P417000	W911NF-13-D-0001, T.O. 3	Kastner /Marc A	02/08/13	02/07/14	0	33,098	(0)
		6927281	C	P417000	W911NF-13-D-0001, T.O. 3	Palacios /Tomas	02/08/13	12/31/17	0	491,457	(0)
		6927282	C	P417000	W911NF-13-D-0001, T.O. 3	Soljacic /Marin	02/08/13	12/31/17	0	463,363	(0)
		6927283	C	P417000	W911NF-13-D-0001, T.O. 3	Boyce /Mary Cunningham	02/08/13	03/31/14	0	39,569	0
		6927284	C	P417000	W911NF-13-D-0001, T.O. 3	Gleason /Karen K	02/08/13	12/31/14	0	170,554	0
		6927285	C	P417000	W911NF-13-D-0001, T.O. 3	Varanasi /Kripa	02/08/13	12/31/14	0	170,181	(0)
		6927286	C	P417000	W911NF-13-D-0001, T.O. 3	Gleason /Karen K	02/08/13	12/31/14	0	142,707	0
		6927287	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	01/31/15	0	133,419	(0)
		6927288	C	P417000	W911NF-13-D-0001, T.O. 3	Soljacic /Marin	02/08/13	12/31/15	0	97,208	(0)
		6927289	C	P417000	W911NF-13-D-0001, T.O. 3	Fink /Yoel	02/08/13	12/31/15	0	185,605	0
		6927290	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	12/31/15	0	87,906	0
		6927291	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	02/08/13	12/31/15	0	164,535	(0)
		6927292	C	P417000	W911NF-13-D-0001, T.O. 3	Bulovic /Vladimir	02/08/13	12/31/14	0	141,368	0
		6927293	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	02/08/13	12/31/17	0	308,248	0
		6927294	C	P417000	W911NF-13-D-0001, T.O. 3	Soljacic /Marin	02/08/13	12/31/17	0	488,282	(0)
		6927295	C	P417000	W911NF-13-D-0001, T.O. 4	Hammond /Paula T	02/08/13	01/31/18	0	256,525	(0)
		6927296	C	P417000	W911NF-13-D-0001, T.O. 4	Irvine /Darrell J	02/08/13	05/31/18	0	378,906	(0)
		6927297	C	P417000	W911NF-13-D-0001, T.O. 4	Love /John C	02/08/13	12/31/17	0	451,307	0
		6927298	C	P417000	W911NF-13-D-0001, T.O. 4	Alexander-Katz /Alfredo	02/08/13	12/31/14	0	99,343	0
		6927299	C	P417000	W911NF-13-D-0001, T.O. 4	Elman /Noel M	02/08/13	12/31/15	0	430,831	0
		6927300	C	P417000	W911NF-13-D-0001, T.O. 4	Khademhosseini /Alireza	02/08/13	03/31/18	0	291,806	0
		6927301	C	P417000	W911NF-13-D-0001, T.O. 4	McKinley /Gareth H	02/08/13	12/31/14	0	66,419	0
		6927302	C	P417000	W911NF-13-D-0001, T.O. 4	Olsen /Bradley D.	02/08/13	12/31/17	0	524,914	(0)
		6927303	C	P417000	W911NF-13-D-0001, T.O. 4	Hammond /Paula T	02/08/13	12/31/17	0	949,873	0
		6927304	C	P417000	W911NF-13-D-0001, T.O. 4	Anderson /Daniel Griffith	02/08/13	12/31/15	0	93,716	0
		6927305	C	P417000	W911NF-13-D-0001, T.O. 4	Cima /Michael J	02/08/13	12/31/14	0	197,947	0
		6927306	C	P417000	W911NF-13-D-0001, T.O. 4	Graybiel /Ann M	02/08/13	12/31/14	0	193,738	0
		6927307	C	P417000	W911NF-13-D-0001, T.O. 4	Langer /Robert S	02/08/13	12/31/14	0	74,543	0
		6927308	C	P417000	W911NF-13-D-0001, T.O. 4	Irvine /Darrell J	02/08/13	05/31/18	0	494,400	0
		6927309	C	P417000	W911NF-13-D-0001, T.O. 4	Lu /Timothy K	02/08/13	12/31/18	0	500,319	(0)
		6927310	C	P417000	W911NF-13-D-0001, T.O. 5	Boyce /Mary Cunningham	02/08/13	03/31/14	0	71,394	(0)
		6927311	C	P417000	W911NF-13-D-0001, T.O. 5	Fang /Xuanlai	02/08/13	12/31/14	0	158,078	(0)
		6927312	C	P417000	W911NF-13-D-0001, T.O. 5	Kooi /Steven E	02/08/13	12/31/14	0	107,823	0
		6927313	C	P417000	W911NF-13-D-0001, T.O. 5	Swager /Timothy M	02/08/13	04/30/15	0	149,201	(0)

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		6927314	C	P417000	W911NF-13-D-0001, T.O. 5	Schuh /Christopher A	02/08/13	12/31/18	0	1,431,367	0
		6927315	C	P417000	W911NF-13-D-0001, T.O. 5	Gabrieli /John D. E.	02/08/13	08/31/18	0	426,625	(0)
		6927316	C	P417000	W911NF-13-D-0001, T.O. 5	Kanwisher /Nancy	02/08/13	12/31/14	0	143,183	(0)
		6927317	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	08/31/18	0	569,640	0
		6927318	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/15	0	90,094	(0)
		6927319	C	P417000	W911NF-13-D-0001, T.O. 5	Johnson /Steven G	02/08/13	12/31/15	0	196,868	0
		6927320	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/15	0	265,264	0
		6927321	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	73,496	0
		6927322	C	P417000	W911NF-13-D-0001, T.O. 5	Nelson /Keith Adam	02/08/13	12/31/17	0	384,953	(0)
		6927323	C	P417000	W911NF-13-D-0001, T.O. 5	Olsen /Bradley D.	02/08/13	12/31/17	0	403,278	0
		6927324	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/16	0	150,407	(0)
		6927325	C	P417000	W911NF-13-D-0001, T.O. 5	Van Vliet /Krystyn J	02/08/13	12/31/17	0	530,848	(0)
		6927326	C	P417000	W911NF-13-D-0001, T.O. 5	Nelson /Keith Adam	02/08/13	12/31/14	0	92,898	0
		6927327	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/14	0	87,734	0
		6927328	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	139,130	0
		6927329	C	P417000	W911NF-13-D-0001, T.O. 5	Buehler /Markus J	02/08/13	01/31/15	0	141,178	(0)
		6927330	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/15	0	390,298	(0)
		6927331	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/14	0	153,814	(0)
		6927332	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	54,539	0
		6927333	C	P417000	W911NF-13-D-0001, T.O. 5	Boyce /Mary Cunningham	02/08/13	05/31/14	0	65,342	0
		6927334	C	P417000	W911NF-13-D-0001, T.O. 5	Ortiz /Christine	02/08/13	12/31/14	0	148,522	0
		6927335	C	P417000	W911NF-13-D-0001, T.O. 5	Oxman /Neri	02/08/13	02/28/15	0	142,675	(0)
		6927336	C	P417000	W911NF-13-D-0001, T.O. 5	Strano /Michael S.	02/08/13	05/31/18	0	579,549	0
		6927337	C	P417000	W911NF-13-D-0001, T.O. 5	Wardle /Brian L	02/08/13	12/31/17	0	279,461	(0)
		6927338	C	P417000	W911NF-13-D-0001, T.O. 6	Kong /Jing	02/08/13	12/31/14	0	115,199	0
		6927339	C	P417000	W911NF-13-D-0001, T.O. 6	Palacios /Tomas	02/08/13	12/31/14	0	180,750	0
		6927340	C	P417000	W911NF-13-D-0001, T.O. 6	Jensen /Klavs F	02/08/13	12/31/14	0	143,419	0
		6927341	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	02/08/13	12/31/14	0	146,928	(0)
		6927342	C	P417000	W911NF-13-D-0001, T.O. 6	Swager /Timothy M	02/08/13	12/31/15	0	242,327	0
		6927343	C	P417000	W911NF-13-D-0001, T.O. 6	Baldo /Marc A	02/08/13	12/31/14	0	187,284	(0)
		6927344	C	P417000	W911NF-13-D-0001, T.O. 6	Swager /Timothy M	02/08/13	12/31/14	0	188,713	0
		6927345	C	P417000	W911NF-13-D-0001, T.O. 6	Watts /Michael R	02/08/13	12/31/14	0	184,586	(0)
		6927346	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	02/08/13	12/31/15	0	262,733	(0)
		6927347	C	P417000	W911NF-13-D-0001, T.O. 6	Bawendi /Moungi G	02/08/13	12/31/15	0	335,183	0
		6927348	C	P417000	W911NF-13-D-0001, T.O. 7	Fink /Yoel	02/08/13	12/31/15	0	342,938	(0)
		6927349	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	269,495	0
		6927350	C	P417000	W911NF-13-D-0001, T.O. 7	Fink /Yoel	02/08/13	12/31/15	0	407,745	0
		6927351	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	283,404	(0)
		6927352	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	219,988	0
		6927353	C	P417000	W911NF-13-D-0001, T.O. 7	Johnson /Steven G	02/08/13	12/31/15	0	199,234	0
		6927354	C	P417000	W911NF-13-D-0001, T.O. 7	Soljacic /Marin	02/08/13	03/31/16	0	185,832	0
		6927355	C	P417000	W911NF-13-D-0001, T.O. 7	Bawendi /Moungi G	02/08/13	12/31/15	0	214,010	(0)
		6927356	C	P417000	W911NF-13-D-0001, T.O. 7	Raskar /Ramesh	02/08/13	12/31/15	0	211,628	0
		6927357	C	P417000	W911NF-13-D-0001, T.O. 7	Celanovic /Ivan L.	02/08/13	12/31/15	0	259,546	(0)
		6927358	C	P417000	W911NF-13-D-0001, T.O. 7	Fisher /Peter H	02/08/13	12/31/15	0	223,139	0

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		6927359	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	198,911	(0)
		6927360	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	02/08/13	12/31/15	0	199,924	0
		6927362	C	P417000	W911NF-13-D-0001, T.O. 8	Hammond /Paula T	02/20/13	12/31/16	0	299,383	0
		6927363	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	02/20/13	09/30/15	0	394,447	(0)
		6927364	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	02/20/13	12/31/15	0	453,361	0
		6927365	C	P417000	W911NF-13-D-0001, T.O. 8	Irvine /Darrell J	02/20/13	12/31/15	0	299,672	(0)
		6927366	C	P417000	W911NF-13-D-0001, T.O. 8	Fink /Yoel	02/20/13	03/31/16	0	535,584	0
		6927367	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	06/26/13	12/31/16	0	1,267,149	190,679
		6927373	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	02/20/13	12/31/16	0	457,854	0
		6927374	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	02/20/13	06/30/15	0	100,000	(0)
		6927375	C	P417000	W911NF-13-D-0001, T.O. 8	Rutledge /Gregory C	02/20/13	12/31/16	0	328,633	0
		6927376	C	P417000	W911NF-13-D-0001, T.O. 8	Hatton /Trevor Alan	02/20/13	06/30/16	0	574,652	0
		6927377	C	P417000	W911NF-13-D-0001, T.O. 8	Soljagic /Marin	03/14/13	03/17/14	0	47,500	0
		6927378	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	06/01/13	06/30/14	0	91,359	(0)
		6927379	C	P417000	W911NF-13-D-0001, T.O. 8	Buehler /Markus J	06/01/13	12/31/14	0	14,976	0
		6927380	C	P417000	W911NF-13-D-0001, T.O. 8	Elman /Noel M	06/01/13	05/31/15	0	173,829	0
		6927381	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	04/01/13	06/30/15	0	105,835	0
		6927382	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	06/01/13	06/30/14	0	100,000	0
		6927386	C	P417000	W911NF-13-D-0001, T.O. 8	Rutledge /Gregory C	08/01/13	12/31/16	0	149,999	(0)
		6928139	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	06/26/13	06/25/15	0	9,570	0
		6928140	C	P417000	W911NF-13-D-0001, T.O. 8	Johnson /Steven G	06/26/13	06/25/15	0	36,674	0
		6928141	C	P417000	W911NF-13-D-0001, T.O. 8	Soljagic /Marin	06/26/13	06/25/15	0	37,501	(0)
		6928142	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	03/01/14	12/31/17	0	398,639	0
		6928143	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	05/01/14	12/31/15	0	907,820	3,564
		6928144	C	P417000	W911NF-13-D-0001, T.O. 8	Johnson /Steven G	06/01/14	12/31/15	0	34,541	0
		6928145	C	P417000	W911NF-13-D-0001, T.O. 8	Soljagic /Marin	06/01/14	06/25/15	0	37,465	(0)
		6928150	C	P417000	W911NF-13-D-0001, T.O. 8	Soljagic /Marin	02/08/13	12/31/15	0	31,673	0
		6928151	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	02/08/13	12/31/15	0	35,801	0
		6928152	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	03/01/13	12/31/15	0	20,907	0
		6928153	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	01/01/14	09/30/15	0	17,553	0
		6928154	C	P417000	W911NF-13-D-0001, T.O. 8	McKinley /Gareth H	05/01/14	12/29/15	0	220,000	(0)
		6928155	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	07/01/14	09/30/17	0	300,000	0
		6931286	C	P417000	W911NF-13-D-0001, T.O. 3	Kong /Jing	01/01/15	03/31/18	0	325,000	0
		6931287	C	P417000	W911NF-13-D-0001, T.O. 8	Schuh /Christopher A	01/01/15	12/31/15	0	69,528	0
		6931288	C	P417000	W911NF-13-D-0001, T.O. 8	Anderson /Daniel Griffith	01/01/15	05/31/16	0	50,151	0
		6931289	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	01/01/15	05/31/16	0	85,601	(0)
		6931944	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	05/01/15	12/31/17	0	1,207,288	4,329
		6932505	C	P417000	W911NF-13-D-0001, T.O. 2	Joannopoulos /John	08/01/15	04/30/17	0	31,533	0
		6932644	C	P417000	W911NF-13-D-0001, T.O. 8	Palacios /Tomas	08/01/15	12/31/16	0	40,000	(0)
		6932645	C	P417000	W911NF-13-D-0001, T.O. 8	Swager /Timothy M	08/01/15	12/31/16	0	74,714	0
		6932646	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	08/01/15	12/31/16	0	68,000	(0)
		6932647	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	08/01/15	12/31/16	0	5,998	0
		6932861	C	P417000	W911NF-13-D-0001, T.O. 8	Win /Moe Z	07/01/15	12/31/20	5,355	100,000	42,705
		6932862	C	P417000	W911NF-13-D-0001, T.O. 8	Strano /Michael S.	07/01/15	06/30/16	0	23,825	0
		6933400	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	12/15/15	12/31/18	0	787,228	127

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		6933401	C	P417000	W911NF-13-D-0001, T.O. 3	Fink /Yoel	01/01/16	12/31/17	0	961,335	(0)
		6933402	C	P417000	W911NF-13-D-0001, T.O. 3	Soljadic /Marin	01/01/16	12/31/17	0	207,956	0
		6933403	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	01/01/16	05/31/18	0	217,373	0
		6933404	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	01/01/16	12/31/17	0	170,743	0
		6933405	C	P417000	W911NF-13-D-0001, T.O. 3	Celanovic /Ivan L.	01/01/16	12/31/17	0	140,889	0
		6933600	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	01/01/16	12/31/17	0	69,952	0
		6933601	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	01/01/16	12/31/17	0	50,164	0
		6933742	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	01/01/15	12/31/15	0	10,887	0
		6933743	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	01/01/15	12/31/15	0	8,817	0
		6934124	C	P417000	W911NF-13-D-0001, T.O. 8	Palacios /Tomas	03/01/16	12/31/19	4,202	88,047	(0)
		6934125	C	P417000	W911NF-13-D-0001, T.O. 8	Rutledge /Gregory C	05/01/16	12/31/17	0	149,968	(0)
		6934126	C	P417000	W911NF-13-D-0001, T.O. 8	Johnson /Steven G	03/01/16	12/31/18	0	70,000	0
		6934127	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	05/01/16	12/31/18	9,518	1,331,324	1,482
		6934471	C	P417000	W911NF-13-D-0001, T.O. 9	Bawendi /Moungi G	06/01/16	05/31/17	0	69,765	0
		6934472	C	P417000	W911NF-13-D-0001, T.O. 9	Fink /Yoel	06/01/16	12/31/17	0	74,501	0
		6934489	C	P417000	W911NF-13-D-0001, T.O. 9	Palacios /Tomas	04/01/16	05/31/17	0	43,843	0
		6934490	C	P417000	W911NF-13-D-0001, T.O. 9	Swager /Timothy M	06/01/16	12/31/17	0	74,720	0
		6934491	C	P417000	W911NF-13-D-0001, T.O. 9	Bawendi /Moungi G	06/01/16	05/31/17	0	67,894	0
		6935871	C	P417000	W911NF-13-D-0001, T.O. 9	Soljadic /Marin	10/01/16	10/31/17	0	7,360	0
		6935983	C	P417000	W911NF-13-D-0001, T.O. 8	Nelson /Keith Adam	07/01/16	06/30/17	0	44,860	0
		6935984	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	11/01/16	12/31/20	229,263	800,000	303,700
		6937146	C	P417000	W911NF-13-D-0001, T.O. 8	Lu /Timothy K	07/01/17	03/31/19	233	245,067	(0)
		6937504	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	01/01/17	09/30/20	203,725	1,246,523	102,911
		6937509	C	P417000	W911NF-13-D-0001, T.O. 8	Wardle /Brian L	10/01/17	12/31/19	17,836	50,000	(150,137)
		6937990	C	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/20	0	0	0
		6937991	C	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/20	97,438	270,000	6,361
		6937992	C	P417000	W911NF-18-2-0048	Radovitzky /Raul A	01/01/18	12/31/20	79,172	270,000	(6,830)
		6937993	C	P417000	W911NF-18-2-0048	Zhao /Xuanhe	01/01/18	12/31/20	77,735	270,000	37,993
		6937994	C	P417000	W911NF-18-2-0048	Strano /Michael S.	01/01/18	12/31/20	58,997	270,000	56,152
		6937995	C	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/20	61,266	256,580	14,168
		6937996	C	P417000	W911NF-18-2-0048	Rutledge /Gregory C	01/01/18	12/31/20	99,848	270,000	98,505
		6937997	C	P417000	W911NF-18-2-0048	Swager /Timothy M	01/01/18	12/31/20	82,399	270,000	54,549
		6937998	C	P417000	W911NF-18-2-0048	Kamrin /Kenneth N	01/01/18	12/31/20	83,566	270,000	46,089
		6937999	C	P417000	W911NF-18-2-0048	Radovitzky /Raul A	01/01/18	12/31/20	145,229	270,000	(7,694)
		6938000	C	P417000	W911NF-18-2-0048	Schuh /Christopher A	01/01/18	12/31/20	87,226	270,000	(10,088)
		6938001	C	P417000	W911NF-18-2-0048	Hammond /Paula T	01/01/18	12/31/20	137,612	405,000	5,182
		6938002	C	P417000	W911NF-18-2-0048	Olsen /Bradley D.	01/01/18	12/31/20	80,390	405,000	134,739
		6938003	C	P417000	W911NF-18-2-0048	Irvine /Darrell J	01/01/18	12/31/20	77,914	270,000	43,657
		6938004	C	P417000	W911NF-18-2-0048	Yildiz /Bilge	01/01/18	12/31/20	118,037	270,000	(18,626)
		6938005	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/20	91,273	222,000	27,841
		6938006	C	P417000	W911NF-18-2-0048	Kong /Jing	01/01/18	12/31/20	142,079	270,000	(3,874)
		6938007	C	P417000	W911NF-18-2-0048	Palacios /Tomas	01/01/18	12/31/20	75,583	270,000	(4,335)

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		6938008	C	P417000	W911NF-18-2-0048	Bawendi /Moungi G	01/01/18	12/31/20	36,689	135,000	(4,046)
		6938009	C	P417000	W911NF-18-2-0048	Bulovic /Vladimir	01/01/18	12/31/20	126,843	135,000	(20,455)
		6938010	C	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/20	247,144	337,500	(4,904)
		6938011	C	P417000	W911NF-18-2-0048	Fink /Yoel	01/01/18	12/31/20	278,869	540,000	(100,315)
		6938012	C	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/20	74,443	270,000	90,593
		6938013	C	P417000	W911NF-18-2-0048	Johnson /Steven G	01/01/18	12/31/20	124,024	270,000	14,329
		6938014	C	P417000	W911NF-18-2-0048	Kong /Jing	01/01/18	12/31/20	116,788	270,000	17,291
		6938015	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/20	117,792	262,857	40,897
		6938016	C	P417000	W911NF-18-2-0048	Celanovic /Ivan L.	01/01/18	12/31/20	201,544	270,000	(76,401)
		6938017	C	P417000	W911NF-18-2-0048	Fisher /Peter H	01/01/18	12/31/20	72,340	270,000	20,764
		6938018	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/20	105,687	270,000	79,188
		6938019	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/20	110,533	270,000	52,068
		6938020	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/20	109,420	155,755	32,039
		6938021	C	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/20	74,460	270,000	84,732
		6938022	C	P417000	W911NF-18-2-0048	Johnson /Steven G	01/01/18	12/31/20	72,910	270,000	(35,251)
		6938023	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/20	112,974	270,000	64,575
		6938024	C	P417000	W911NF-18-2-0048	Fu /Liang	01/01/18	12/31/20	87,963	270,000	(15,310)
		6938025	C	P417000	W911NF-18-2-0048	Gedik /Nuh	01/01/18	12/31/20	52,260	270,000	105,109
		6938026	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/20	34,103	270,000	107,959
		6938027	C	P417000	W911NF-18-2-0048	Fink /Yoel	01/01/18	12/31/20	209,391	270,000	(86,368)
		6938028	C	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/20	74,443	270,000	83,444
		6938090	C	P417000	W911NF-13-D-0001, T.O. 5	Bawendi /Moungi G	01/01/17	12/31/18	0	93,806	0
		6938091	C	P417000	W911NF-13-D-0001, T.O. 5	Palacios /Tomas	01/01/17	12/31/18	0	81,112	0
		6938092	C	P417000	W911NF-13-D-0001, T.O. 5	Swager /Timothy M	01/01/17	08/31/19	(4,916)	94,103	0
		6938093	C	P417000	W911NF-13-D-0001, T.O. 5	Bawendi /Moungi G	01/01/17	12/31/18	0	100,000	0
		6938117	C	P417000	W911NF-18-2-0048	Willard /Adam P.	01/01/18	12/31/20	4,554	202,500	101,440
		6938384	C	P417000	W911NF-13-D-0001, T.O. 5	Boriskina /Svetlana V	01/01/18	12/31/20	137,347	388,927	110,855
		6938385	C	P417000	W911NF-13-D-0001, T.O. 5	Swager /Timothy M	03/01/18	12/31/19	5,000	5,000	(0)
		6938898	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/20	25,368	20,000	(18,687)
		6940704	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	12/01/18	12/31/20	(4,293)	44,565	37,585
		6940965	C	P417000	W911NF-13-D-0001, T.O. 5	Palacios /Tomas	10/01/18	09/30/19	0	10,156	10,156
		6940966	C	P417000	W911NF-13-D-0001, T.O. 5	Kooi /Steven E	10/01/18	04/30/20	60,695	68,000	6,207
		6940967	C	P417000	W911NF-13-D-0001, T.O. 5	Soljagic /Marin	04/01/19	05/31/20	78,552	75,000	(3,552)
		6940968	C	P417000	W911NF-13-D-0001, T.O. 5	Fink /Yoel	04/01/19	12/31/19	55,080	75,000	0
		6941709	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	10/01/19	12/31/20	2,087	8,000	5,913
		6941803	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	10/31/18	12/31/20	1,947	18,624	16,677
		6941883	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	10/01/19	12/31/20	7,707	20,000	12,293
		6941999	C	P417000	W911NF-18-2-0048	Soljagic /Marin	10/01/19	01/31/20	7,143	7,143	0
		6942014	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/20	1,229	25,080	23,851
		6942107	C	P417000	W911NF-18-2-0048	Nelson /Keith Adam	12/01/18	12/31/20	17,838	13,420	(4,418)
		6942109	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/20	7,615	24,600	16,985
		6942599	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/20	0	20,000	20,000
		6942817	C	P417000	W911NF-13-D-0001, T.O. 5	Boriskina /Svetlana V	01/01/20	12/31/20	4,984	195,490	190,507
		6942822	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	09/01/19	12/31/20	0	22,000	22,000

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		6942827	C	P417000	W911NF-13-D-0001, T.O. 5	Kooi /Steven E	01/01/20	12/31/20	45,713	165,343	119,630
		6942836	C	P417000	W911NF-13-D-0001, T.O. 5	Palacios /Tomas	09/01/19	12/31/20	436	161,000	160,564
		6942838	C	P417000	W911NF-13-D-0001, T.O. 5	del Alamo /Jesus A	09/01/19	12/31/20	101,002	161,000	59,998
		6942906	C	P417000	W911NF-13-D-0001, T.O. 5	Gleason /Karen K	07/01/19	06/30/21	0	116,874	116,874
		6943438	C	P417000	W911NF-13-D-0001, T.O. 5	Han /Jongyeon	06/01/20	05/31/21	1,377	0	(1,377)
		6943439	C	P417000	W911NF-13-D-0001, T.O. 5	Swager /Timothy M	06/01/20	05/31/21	9,263	0	(9,263)
	006870 North Carolina	6937652	C	P067952	2017-0383-01	Demaine /Erik D	05/15/17	09/30/18	0	118,500	(4,527)
Total by Primary Sponsor									7,028,219	65,793,049	1,995,141
000136 DOD-CDMRP (USE FOR PROPOSALS ONLY)	000136 DOD-CDMRP (I	6943427	C	P062000	W81XWH2010481	Hammond /Paula T	07/01/20	06/30/23	0	1,807,200	1,807,200
	005260 Beth Israel Dea	6938137	C	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/18	(37,128)	175,403	(0)
	005321 Brigham &	6942404	C	P152000	122094	Pentelute /Bradley L.	09/15/19	09/14/20	0	0	0
	Women's Hospital	6942602	C	P152000	122094	Pentelute /Bradley L.	09/15/19	09/14/20	16,106	34,100	17,994
	Total by Primary Sponsor								(21,022)	2,016,703	1,825,194
000140 Navy - Miscellaneous	004205 Radiation	6940326	C	P417500	C19-20	Agarwal /Anuradha	01/09/19	01/08/21	376	39,316	(376)
	Monitoring Devices	6941640	C	P417500	C19-20	Agarwal /Anuradha	01/09/19	01/08/21	174,789	160,681	(14,109)
	007637 University of Te	6936413	C	P067952	UTA16-000982	Williams /Richard Ryan	09/01/16	08/31/18	0	144,307	(1,065)
	Total by Primary Sponsor								175,166	344,304	(15,551)
000146 Navy - ONR	000146 Navy - ONR	6929374	C	P065005	N00014-14-1-0191	Makris /Nicholas	03/01/14	12/31/17	0	1,245,000	0
		6930243	C	P065005	N00014-14-1-0476	Lermusiaux /Pierre	03/01/14	06/30/19	(39,448)	899,900	0
		6932335	C	P065005	N00014-15-1-2460	Yue /Dick K. P.	07/01/15	06/30/21	107,897	1,060,000	772
		6932519	C	P065005	N00014-15-1-2626	Lermusiaux /Pierre	04/08/15	09/30/21	86,828	544,480	65,237
		6932658	C	P065005	N00014-15-1-2622	Peacock /Thomas	05/01/15	08/31/21	95,169	579,671	(26,148)
		6932875	C	P065005	N00014-15-1-2616	Lermusiaux /Pierre	04/25/15	03/31/19	1,069	435,253	(0)
		6933431	C	P068700	N00014-16-1-2141	Win /Moe Z	01/01/16	03/31/21	149,905	1,719,605	236,363
		6933564	C	P152000	N00014-16-1-2090	Nelson /Keith Adam	12/01/15	11/30/21	46,049	750,000	41,647
		6933697	C	P065005	N00014-16-1-2450	Peacock /Thomas	04/01/16	03/31/21	30,601	703,737	119,283
		6933838	C	P063007	N00014-16-1-2333	Buehler /Markus J	06/01/16	05/31/19	(6,737)	592,926	0
		6933971	C	P065005	N00014-15-1-2381	Sapsis /Themistoklis Panagioti	06/01/15	05/31/19	(3,606)	510,000	0
		6934063	C	P243021	N00014-16-1-2657	Moopera /Jagadeesh	07/01/16	06/30/21	45,846	426,224	10,216
		6934156	C	P069201	N00014-16-1-2509	Voigt /Christopher A.	09/15/14	10/30/19	(11,083)	1,413,923	(0)
		6934371	C	P267100	N00014-16-1-2815	Ketterle /Wolfgang	07/01/16	04/30/21	632,749	2,312,000	531,335
		6934429	C	P067952	N00014-16-1-2628	Leonard /John J	07/01/16	06/30/19	(7)	526,962	(0)
		6934468	C	P266300	N00014-16-1-2945	Chrysostomidis /Chrysostomo	08/01/16	10/31/21	136,284	664,172	218,652
		6934510	C	P065005	N00014-16-1-3031	Sclavounos /Paul D	09/01/16	08/31/19	12,782	360,000	(0)
		6934514	C	P065005	N00014-16-1-2998	Peacock /Thomas	08/01/16	07/31/19	(1,649)	21,488	0
		6934567	C	P165000	N00014-16-1-2953	Bathe /Mark	08/15/16	08/31/19	34,609	547,946	0
		6934670	C	P267100	N00014-16-1-2815	Ketterle /Wolfgang	08/01/16	04/30/21	158,340	688,000	(72,451)
		6934699	C	P069400	N00014-16-1-3163	Jadbabaie-Moghadam /Ali	07/01/16	08/31/21	680,293	3,051,557	1,563,393
		6934713	C	P067952	N00014-16-1-3116	Oliva /Aude	09/01/16	04/30/21	538,564	2,756,637	533,491
		6934743	C	P065005	N00014-16-1-3105	Liu /Yuming	09/01/16	07/31/20	64,949	449,952	2,736
		6935143	C	P069850	N00014-16-1-2432	Olivetti /Elsa A	04/01/16	03/31/21	159,634	675,000	(14,043)

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		6935358	C	P061090	N00014-17-1-2072	How /Jonathan P	09/01/16	12/31/21	388,637	1,324,899	234,864
		6935362	C	P065005	N00014-17-1-2089	Yue /Dick K. P.	01/01/17	03/15/20	19,397	495,000	0
		6935376	C	P065005	N00014-17-1-2077	Patera /Anthony T	01/01/17	08/31/20	47,353	298,143	11,326
		6935494	C	P067952	N00014-17-1-2072	Fisher /John W	09/01/16	12/31/21	100,316	466,399	68,870
		6935495	C	P067952	N00014-17-1-2072	Broderick /Tamara A	09/01/16	12/31/21	107,163	479,274	101,535
		6935515	C	P068700	N00014-17-1-2147	Uhler /Caroline	01/01/17	12/31/20	421,224	1,056,229	20,337
		6935556	C	P154000	N00014-17-1-2177	Goemans /Michel X	02/01/17	06/30/20	125,432	495,809	356
		6935561	C	P121012	N00014-17-1-2194	Orlin /James B	03/01/17	08/31/20	43,267	300,380	41,995
		6935736	C	P065005	N00014-17-1-2197	Makris /Nicholas	02/01/17	01/31/21	427,586	1,665,000	1,676
		6935802	C	P401710	N00014-17-1-2186	Coster /Anthea J	02/01/17	01/31/22	125,557	425,842	25,514
		6935807	C	P267100	N00014-17-1-2257	Zwierlein /Martin Wolfram	04/01/17	06/30/21	83,660	390,000	22,347
		6935836	C	P267100	N00014-17-1-2253	Ketterle /Wolfgang	04/01/17	04/30/20	198,921	597,919	56
		6935837	C	P267100	N00014-17-1-2254	Vuletic /Vladan	04/01/17	04/30/20	172,771	660,000	(3,159)
		6936051	C	P068700	N00014-17-1-2379	Win /Moe Z	03/15/17	05/31/21	543	103,885	91,469
		6936303	C	P065005	N00014-17-1-2474	Schmidt /Henrik	05/01/17	04/30/21	318,891	842,356	29,215
		6936317	C	P243021	N00014-16-1-2657	Moodera /Jagadeesh	10/01/16	09/30/19	25,946	501,046	0
		6936357	C	P154000	N00014-17-1-2598	Mossel /Elchanan	08/01/17	08/31/19	28,959	225,582	0
		6936478	C	P165000	N00014-17-1-2609	Bathe /Mark	08/01/17	07/31/21	151,357	661,633	109,540
		6936685	C	P068700	N00014-17-1-2670	Karaman /Sertac	07/01/17	06/30/21	325,312	510,000	(188,615)
		6936729	C	P243021	N00014-16-1-2657	Moodera /Jagadeesh	07/01/16	09/30/19	41,106	0	(162,441)
		6936798	C	P121012	N00014-17-1-2790	Garnik /David	06/01/17	08/31/20	99,213	366,646	(17,568)
		6936817	C	P067952	N00014-17-1-2791	Sontag /David Alexander	06/01/17	08/31/21	87,153	315,000	51,756
		6936840	C	P267100	N00014-17-1-2254	Vuletic /Vladan	04/01/17	04/30/20	(307)	90,000	2,971
		6936862	C	P069850	N00014-17-1-2883	Checkelsky /Joseph	09/01/17	08/30/21	166,482	516,818	56,471
		6936934	C	P417000	N00014-17-1-2706	Nelson /Keith Adam	09/01/17	08/31/19	(2,199)	55,000	(0)
		6936947	C	P065005	N00014-17-1-2920	Zhao /Xuanhe	06/03/17	10/31/20	160,032	461,547	56,912
		6936959	C	P165000	N00014-16-1-2953	Bathe /Mark	07/01/17	08/31/19	17,774	182,168	0
		6937034	C	P065005	N00014-17-1-2985	Scavounos /Paul D	09/01/17	08/31/21	57,282	360,000	97,833
		6937049	C	P062000	N00014-17-1-2956	Kulik /Heather Janine	09/01/17	10/31/21	168,851	450,000	120,415
		6937055	C	P061090	N00014-17-1-2959	Wang /Qiqi	08/01/17	08/31/20	85,003	300,000	2,808
		6937331	C	P417000	N00014-17-1-2977	Soljacic /Marin	09/30/17	09/29/21	46,215	242,187	101,498
		6937346	C	P417000	N00014-17-1-2977	Boyden /Edward	09/30/17	09/29/21	39,633	242,186	72,623
		6937495	C	P065005	N00014-18-1-2085	Makris /Nicholas	01/01/18	12/31/21	98,459	280,781	53,020
		6937778	C	P065004	N00014-18-1-2066	Hart /Douglas	09/15/17	08/30/21	32,384	205,000	36,018
		6937856	C	P267100	N00014-17-1-2257	Zwierlein /Martin Wolfram	04/01/17	06/30/21	16,696	210,000	7,653
		6937867	C	P121012	N00014-18-1-2079	Vielma Centeno /Juan Pablo	01/01/18	12/31/20	154,596	275,000	(17,473)
		6937958	C	P069850	N00014-17-1-2883	Checkelsky /Joseph	01/01/18	11/30/19	1,794	6,714	0
		6938061	C	P068700	N00014-18-1-2122	Jaillet /Patrick	06/01/18	05/31/21	150,342	350,000	128,720
		6938108	C	P060600	N00014-18-1-2177	Palacios /Tomas	04/01/18	06/30/21	85,451	410,000	46,705
		6938109	C	P266300	N00014-18-1-2187	Cooke /Chathan M	03/01/18	02/28/21	36,623	180,000	38,298
		6938279	C	P066000	N00014-18-1-2284	Tasan /Cemal	06/01/18	05/31/21	220,274	425,849	94,424
		6938307	C	P063007	N00014-18-1-2258	Marelli /Benedetto	06/01/18	05/31/21	99,224	449,944	97,503
		6938340	C	P165000	N00014-18-1-2290	Bathe /Mark	06/01/18	05/31/19	(0)	364,186	(0)
		6938364	C	P068700	N00014-18-1-2210	Megretski /Alexandre	06/01/18	05/31/22	164,371	475,396	163,559
		6938508	C	P067952	N00014-18-1-2210	Tedrake /Russell L	06/01/18	05/31/22	93,240	192,254	(32,090)

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		6938533	C	P153000	N00014-18-1-2458	Emanuel /Kerry Andrew	05/01/18	04/30/21	181,915	464,208	13,744
		6938550	C	P417000	N00014-18-1-2378	Nelson /Keith Adam	06/01/18	05/31/21	32,634	395,940	61,157
		6938559	C	P062000	N00014-18-1-2434	Kulik /Heather Janine	06/01/18	05/31/21	108,260	510,000	243,207
		6938565	C	P320000	N00014-18-1-2436	Strano /Michael S.	07/01/18	06/30/20	26,141	250,000	(406)
		6938651	C	P069850	N00014-17-1-2883	Checkelsky /Joseph	05/22/18	05/21/19	0	25,068	0
		6938655	C	P121012	N00014-18-1-2298	Mazumder /Rahul	06/01/18	05/31/21	153,413	508,780	186,542
		6938931	C	P068700	N00014-18-1-2765	Uhler /Caroline	09/01/18	08/31/21	4,836	250,000	131,385
		6938933	C	P065005	N00014-18-1-2762	Peacock /Thomas	05/03/18	07/31/23	61,417	249,957	168,789
		6938976	C	P065005	N00014-18-1-2781	Lermusiaux /Pierre	07/15/18	07/14/23	164,246	447,485	200,725
		6939081	C	P067952	N00014-18-1-2832	Leonard /John J	09/01/18	08/31/22	180,355	601,075	286,675
		6939138	C	P067952	N00014-18-1-2815	Shah /Julie A	08/01/18	07/31/23	149,703	350,588	58,979
		6939218	C	P267500	N00014-18-1-2496	Leeb /Steven B	09/01/18	08/31/21	259,384	476,885	97,877
		6939343	C	P154000	N00014-18-1-2525	Moitra /Ankur	07/01/18	06/30/21	128,601	408,995	158,015
		6939380	C	P067952	N00014-18-1-2847	Kaelbling /Leslie P	09/01/18	08/31/22	364,654	919,420	395,213
		6939404	C	P152000	N00014-18-1-2878	Swager /Timothy M	10/01/18	09/30/21	607,433	1,200,000	66,560
		6939525	C	P039000	N00014-18-1-2894	Raskar /Ramesh	09/30/18	09/29/21	331,973	499,990	138,515
		6939843	C	P417000	N00014-18-1-2378	Nelson /Keith Adam	09/01/18	02/28/19	2,420	14,174	0
		6939934	C	P068700	N00014-17-1-2379	Win /Moe Z	06/01/17	05/31/21	690	23,218	13,400
		6940044	C	P061090	N00014-18-1-2832	How /Jonathan P	09/01/18	08/31/22	132,682	303,431	128,253
		6940209	C	P159300	N00014-19-1-2036	Nedivi /Elly	01/18/19	01/17/23	482,864	956,520	354,227
		6940283	C	P067952	N00014-18-1-2815	Adelson /Edward H	08/01/18	07/31/23	103,912	263,701	95,145
		6940295	C	P067952	N00014-18-1-2847	Tenenbaum /Joshua B	09/01/18	08/31/22	174,990	447,183	232,710
		6940379	C	P417500	N00014-19-1-2114	Olivetti /Elsa A	03/01/19	02/28/22	60,261	675,000	614,739
		6940380	C	P320000	N00014-19-1-2091	Leeb /Steven B	04/02/19	06/30/20	214,352	250,000	4,840
		6940397	C	P068700	N00014-17-1-2147	Bresler /Guy	06/01/19	12/31/20	100,257	72,406	(40,967)
		6940539	C	P065005	N00014-19-1-2180	Schmidt /Henrik	01/01/19	03/31/22	83,589	240,000	93,613
		6940624	C	P165000	N00014-19-1-2344	Bathe /Mark	06/01/19	05/31/21	373,711	453,000	79,289
		6940657	C	P267500	N00014-19-1-2359	Kirtley /James L	01/22/19	04/21/21	248,744	399,999	89,342
		6940723	C	P039000	N00014-19-1-2325	Adib /Fadel	05/01/19	04/30/21	68,664	272,553	203,889
		6940786	C	P122030	N00014-19-1-2362	Klein /Mark	05/15/19	05/14/22	145,879	215,218	53,843
		6940867	C	P063007	N00014-19-1-2375	Buehler /Markus J	06/18/19	09/14/22	107,845	286,206	172,656
		6940875	C	P320000	N00014-19-1-2307	Strano /Michael S.	07/01/19	06/30/21	158,474	250,000	91,526
		6940876	C	P063007	N00014-19-1-2317	Marelli /Benedetto	05/06/19	05/05/24	166,162	400,000	205,529
		6941231	C	P065005	N00014-19-1-2607	Schmidt /Henrik	08/01/19	07/31/22	44,801	75,639	30,838
		6941232	C	P154500	N00014-19-1-2584	Fiete /Ila R	07/22/19	07/21/22	89,593	510,000	420,407
		6941360	C	P065005	N00014-19-1-2693	Lermusiaux /Pierre	08/01/19	07/31/22	168,183	230,594	62,411
		6941381	C	P065005	N00014-19-1-2664	Lermusiaux /Pierre	10/01/19	09/30/22	164,681	400,000	235,319
		6941445	C	P401710	N00014-19-1-2605	Elosegui /Pedro	08/01/19	07/31/24	74,224	223,706	149,482
		6941528	C	P039000	N00014-19-1-2325	Adib /Fadel	05/01/19	04/30/21	26,702	75,000	48,298
		6941559	C	P267100	N00014-19-1-2631	Zwierlein /Martin Wolfram	08/01/19	07/31/24	464,925	1,412,560	947,635
		6941628	C	P401710	N00014-19-1-2605	Elosegui /Pedro	09/01/19	09/30/20	71,665	81,615	9,950
		6941638	C	P065005	N00014-19-1-2716	Schmidt /Henrik	09/15/19	09/14/22	59,860	129,844	69,984
		6941694	C	P068700	N00014-19-1-2724	Win /Moe Z	09/15/19	09/14/22	19,067	1,000,000	980,933
		6941711	C	P267110	N00014-19-1-2665	Wornell /Gregory W	10/01/19	09/30/22	36,303	270,100	233,797
		6941751	C	P065005	N00014-19-1-2741	Schmidt /Henrik	10/01/19	09/30/22	204,868	214,303	9,436

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6941966	C	P165000	N00014-20-1-2084	Bathe /Mark	01/15/20	01/14/23	76,250	208,109	131,859
		6941987	C	P065005	N00014-20-1-2023	Lermusiaux /Pierre	11/01/19	10/31/24	32,729	959,167	926,438
		6942041	C	P068700	N00014-20-1-2119	Modiano /Eytan H	03/01/20	02/28/23	2,944	250,000	247,056
		6942056	C	P267100	N00014-19-1-2676	Vuletic /Vladan	08/01/19	07/31/21	246,509	381,551	135,042
		6942106	C	P417000	N00014-18-1-2378	Nelson /Keith Adam	11/01/19	03/31/20	13,257	12,942	(315)
		6942208	C	P067952	N00014-20-1-2749	Shrobe /Howard E	12/01/19	11/30/22	134,136	150,000	15,864
		6942249	C	P065005	N00014-20-1-2023	Lermusiaux /Pierre	11/01/19	10/31/24	144,462	900,600	756,138
		6942250	C	P067952	N00014-20-1-2023	Broderick /Tamara A	11/01/19	10/31/24	47,257	200,000	152,743
		6942251	C	P067952	N00014-20-1-2023	Jegelka /Stefanie Sabrina	11/01/19	10/31/24	16,105	200,000	183,895
		6942468	C	P067952	N00014-20-1-2749	Shrobe /Howard E	12/01/19	11/30/22	0	150,000	150,000
		6942533	C	P165000	N00014-20-1-2084	Bathe /Mark	01/15/20	01/14/23	18,624	59,967	41,343
		6942544	C	P065005	N00014-20-1-2059	Yue /Dick K. P.	02/01/20	01/31/25	114,773	210,000	95,227
		6942693	C	P062000	N00014-20-1-2150	Kulik /Heather Janine	03/01/20	02/28/21	19,498	200,000	180,502
		6942735	C	P065005	N00014-20-1-2035	Makris /Nicholas	03/01/20	02/28/23	70,725	642,649	571,924
		6942816	C	P063007	N00014-20-1-2189	Buehler /Markus J	04/01/20	03/31/21	0	281,089	281,089
		6942830	C	P165000	N00014-20-1-2202	Bathe /Mark	04/01/20	03/31/21	0	552,061	552,061
		6942831	C	P267200	N00014-20-1-2221	Shao-Horn /Yang	04/01/20	03/31/21	29,511	100,000	70,489
		6942833	C	P063007	N00014-20-1-2203	Marelli /Benedetto	04/01/20	03/31/21	0	557,785	557,785
		6942865	C	P417500	N00014-20-1-2280	Olivetti /Elsa A	04/01/20	03/31/24	5,347	150,000	144,653
		6942888	C	P267500	N00014-20-1-2353	Leeb /Steven B	06/01/20	05/31/22	17,099	375,000	357,901
		6942889	C	P243021	N00014-20-1-2306	Moodera /Jagadeesh	04/15/20	04/14/23	0	180,000	180,000
		6942954	C	P068700	N00014-20-1-2394	Jadbabaie-Moghadam /Ali	03/03/20	05/31/23	13,743	300,000	286,257
		6942982	C	P061093	N00014-20-1-2300	Wardle /Brian L	04/01/20	03/31/25	18,056	110,751	92,695
		6942985	C	P065005	N00014-20-1-2366	Sapsis /Themistoklis Panagioti	05/01/20	04/30/24	14,165	85,000	70,835
		6943005	C	P154500	N00014-20-1-2336	Rakhlin /Alexander	04/03/20	04/02/23	0	104,269	104,269
		6943029	C	P267100	N00014-19-1-2631	Zwierlein /Martin Wolfram	08/01/19	07/31/24	0	130,000	130,000
		6943142	C	P067952	N00014-20-1-2533	Shrobe /Howard E	05/01/20	04/30/21	0	105,000	105,000
		6943155	C	P267100	N00014-20-1-2428	Vuletic /Vladan	04/01/20	03/31/23	31,526	187,500	155,974
		6943156	C	P154000	N00014-20-1-2487	Mossel /Elchanan	04/21/20	04/20/23	0	75,000	75,000
		6943172	C	P067952	N00014-20-1-2532	Broderick /Tamara A	06/01/20	05/31/25	0	200,000	200,000
		6943199	C	P039000	N00014-20-1-2531	Adib /Fadel	07/01/20	06/30/24	0	70,385	70,385
		6943320	C	P063007	N00014-20-1-2561	Cohen /Tal	05/11/20	05/10/23	4,648	261,182	256,534
		6943322	C	P267200	N00014-20-1-2647	Oliver /William D	05/19/20	05/18/21	0	485,520	485,520
		6943354	C	P039000	N00014-20-1-2531	Adib /Fadel	07/01/20	06/30/24	0	129,615	129,615
	002533 CREARE, Incor	6932855	C	P061090	SUBCONTRACT NO. 7838	How /Jonathan P	04/23/15	09/30/20	48,960	437,621	158,921
	003928 Oasis	6942398	C	P065005	1186-001-45	Lermusiaux /Pierre	01/02/20	06/25/21	21,215	112,500	91,285
	004513 Scientific Systems Company, Incorporated	6940374	C	P061096	SC-1654-01	Shah /Julie A	11/01/18	01/24/20	0	40,000	16,828
		6941430	C	P061096	SC-1654-01	Shah /Julie A	07/17/19	01/24/20	28,934	30,000	1,066
	005222 Metis Design Corporation	6939815	C	P061093	STTR AGRMNT DTD. 12/0	Wardle /Brian L	09/01/18	12/24/19	26,950	90,000	0
		6941669	C	P061093	AGMT DATED 4/15/2019	Wardle /Brian L	04/15/19	06/06/20	97,585	90,000	(7,585)
	005250 Battelle Memorial Institute	6935623	C	P063007	SUB NO. 550379/PO US00	Gschwend /Philip M	01/23/17	08/31/20	0	158,703	6,171
		6941249	C	P267200	PO US0011-0000743557	Medard /Muriel	07/12/18	02/02/21	417,704	375,000	(42,704)
	005274 Boston Universi	6935193	C	P159300	4500002204	Miller /Earl K	09/01/16	08/31/21	346,321	1,322,304	347,874
		6942565	C	P067952	4500003329	Leonard /John J	09/02/19	09/01/20	93,565	500,000	406,435

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		6942701	C	P067952	4500003329	Roy /Nicholas	09/02/19	09/01/20	0	500,000	500,000
	005333 Brown Universit	6934244	C	P152000	00000921	Surendranath /Yogesh	05/05/16	12/31/19	40,645	455,000	0
	005521 Cornell University	6937216	C	P067952	81825-10911	Roy /Nicholas	08/01/17	07/31/20	361,906	504,000	(245,596)
		6937574	C	P067952	81825-10911	Tedrake /Russell L	08/01/17	07/31/20	279,028	504,000	(61,873)
		6937575	C	P067952	81825-10911	Solar Lezama /Armando	08/01/17	07/31/20	387,171	504,000	(47,197)
		6937576	C	P067952	81825-10911	Carbin /Michael James	08/01/17	07/31/20	289,784	504,000	33,634
		6941679	C	P061096	87748-11235	Shah /Julie A	05/06/19	05/05/20	5,023	130,670	125,647
	005690 Duke University	6928294	C	P065004	13-ONR-1109	Fang /Xuanlai	07/01/13	09/30/19	85,884	1,285,750	6,117
	005919 George Mason University	6937200	C	P267500	E2042811	Kirtley /James L	09/01/17	01/31/19	48,011	206,980	0
		6937846	C	P267500	E2042811	Kirtley /James L	01/01/18	05/31/18	0	14,738	0
	005935 Georgia Institut	6938924	C	P065004	RK015-G3/AWD-102036-G	Henry /Asegun S	07/01/18	06/30/21	220,793	618,445	216,526
	006112 Harvard Medica School	6939658	C	P158000	325-28721-124078-322771	Mirny /Leonid A	09/01/18	05/31/19	(0)	27,563	0
		6940291	C	P158000	325-28721-124078-322771	Mirny /Leonid A	01/16/19	05/31/19	(0)	27,563	0
		6941296	C	P158000	325-28721-124078-322771	Mirny /Leonid A	06/01/19	08/31/19	10,083	10,083	0
	006120 Harvard University	6933356	C	P267100	123950-5092636	Vuletic /Vladan	07/01/15	09/30/16	0	140,288	0
		6935798	C	P267100	123950-5092634	Vuletic /Vladan	10/01/16	06/30/17	0	128,271	(0)
		6936863	C	P267100	123950-5092634	Vuletic /Vladan	07/01/17	06/30/20	121,200	444,150	(19,102)
		6937039	C	P267100	123950-5092634	Vuletic /Vladan	07/01/17	06/30/20	65,624	120,000	(18,554)
		6940862	C	P064000	7555498-01	Kolodziejski /Leslie A	01/16/19	04/05/19	(3)	9,729	0
		6943286	C	P062000	130417-5114573	Smith /Zachary P	05/01/20	04/30/21	18,802	191,375	172,573
		6943326	C	P064000	136018	Lynch /Nancy Ann	06/29/20	08/21/20	0	5,998	5,998
	006951 Florida State Ur	6935158	C	P266300	R01849	Triantafyllou /Michael S	08/01/16	07/31/21	199,405	1,172,400	157,065
	007380 Stanford University	6931094	C	P400600	60744752-114407	DiCarlo /James	07/01/14	09/30/20	122,655	1,750,000	331
		6939969	C	P067952	61957754-136921	Rus /Daniela L	09/01/18	08/31/21	163,177	435,000	270,807
	007534 University of California-San Diego	6934249	C	P065005	PO #S9000381, SUB #430	Schmidt /Henrik	07/01/13	09/30/19	(4,256)	811,169	0
		6939646	C	P068700	108548654	Carlone /Luca	08/15/18	08/14/22	103,539	292,217	130,165
	007616 University of Southern California	6939535	C	P069201	107215392	Voigt /Christopher A.	08/01/18	07/31/21	0	0	0
		6939922	C	P065004	107215392	Buie /Cullen	08/01/18	07/31/20	149,035	500,001	226,425
		6939923	C	P069201	107215392	Voigt /Christopher A.	08/01/18	07/31/20	110,942	786,178	368,225
		6939924	C	P069201	107215392	Lu /Timothy K	08/01/18	07/31/19	5,245	81,821	0
		6942367	C	P067952	125046653	Katz /Boris	09/27/19	09/26/23	35,244	85,000	49,756
	007617 University of Mi	6937286	C	P065005	A006141803	Sapsis /Themistoklis Panagioti	08/01/17	07/31/21	130,338	450,000	8,778
	007625 University of Ca	6933105	C	P154500	1015 G TA243/N00014-16-	Tenenbaum /Joshua B	07/03/15	09/30/21	198,664	1,336,500	315,838
	007628 University of Illi	6943393	C	P267200	SUB# 099963-17888	Soljacic /Marin	05/01/20	04/30/21	586	247,070	246,484
	007630 University of Pennsylvania	6937175	C	P066000	572339	Jaramillo /Rafael	08/01/17	07/31/20	203,284	740,000	(12,321)
		6939157	C	P068000	574340, PO 4268346	Li /Ju	07/01/18	06/30/21	353,484	565,000	(37,804)
	007637 University of Te	6934067	C	P065009	UTA16-000556	Chen /Gang	06/01/16	05/31/21	289,936	1,150,000	252,528
	007641 University of Michigan	6940785	C	P153000	SUBK00009163 / PO3005498095	Ravela /Sai Czander	04/01/19	03/31/21	180,931	296,426	108,811
	007661 Virginia Polytec	6941716	C	P267110	450677-19825	Zheng /Lizhong	09/01/19	08/31/20	191,465	250,000	58,535
	007827 Woods Hole Oc	6941770	C	P061097	A101439	Cahoy /Kerri	08/01/19	07/31/21	59,711	218,763	159,052
	010334 Temple Univers	6941980	C	P067952	264443-MIT	Jaakkola /Tommi S	06/17/19	06/16/20	74,618	78,566	3,948
	010852 Raytheon BBN	6935317	C	P267111	LBN9513359	Shapiro /Jeffrey H	09/05/16	09/15/19	66,492	457,710	(0)

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	Technologies Corp.	6936009	C	P267111	9500013359	Englund /Dirk R.	01/01/17	09/15/19	38,978	239,996	0
	010924 Mimosa Acousti	6939874	C	P267200	SUBCONTRACT DTD. 12/1	Reed /Charlotte M	11/01/18	03/31/19	(33)	26,000	0
	012083 American	6931266	C	P069850	0001	Clark /Joel P	02/21/14	02/21/19	0	141,804	(60,144)
	Lightweight Materials	6932265	C	P069850	0002A-7	Kirchain /Randolph E	05/15/15	04/30/17	0	90,323	(0)
	Manufacturing	6932706	C	P069850	0002B-11	Clark /Joel P	07/16/15	06/30/17	0	122,345	(0)
	Innovation Institu	6934651	C	P069850	SUB AWARD NUMBER 000	Clark /Joel P	08/15/16	10/31/18	0	665,302	7,220
		6934653	C	P069850	SUB AWARD NUMBER 000	Olivetti /Elsa A	06/01/16	08/31/18	0	130,000	728
		6934655	C	P069850	SUB AWARD NUMBER 000	Clark /Joel P	06/01/16	08/31/18	0	111,615	1,284
		6934657	C	P069850	SUB AWARD NUMBER 000	Clark /Joel P	06/01/16	01/31/18	(18)	203,450	876
	104667 SeeByte	6942772	C	P065004	SC0001-19	Benjamin /Michael R	09/23/19	07/14/20	53,593	65,000	11,407
	105723 Applied Ocean	6942080	C	P065005	AGMT DTD 8/9/19	Lermusiaux /Pierre	08/01/19	06/30/20	39,064	74,000	34,936
Total by Primary Sponsor									21,808,977	91,572,395	24,418,099
000148 Navy (NAVAIR)	003928 Oasis	6940842	C	P065005	OASIS 19-05	Lermusiaux /Pierre	04/02/19	01/01/20	29,817	29,949	81
	005222 Metis Design C	6942204	C	P061093	AGMT DTD 1/23/2020	Wardle /Brian L	09/01/19	05/20/21	155,719	200,000	44,281
	Total by Primary Sponsor								185,536	229,949	44,362
000150 Naval Research Laboratory	000150 Naval Research	6938836	C	P060600	N00173-18-1-G011	Han /Ruonan	06/18/18	06/30/20	33,703	93,800	378
	Laboratory	6939810	C	P159600	N00173-19-1-G003	Remillard /Ronald A	10/18/18	10/17/19	19,931	19,931	0
	Total by Primary Sponsor								53,634	113,731	378
000151 Space and Naval Warfare Systems Center	000151 Space and Nav Warfare Systems Cente	6927878	C	P402010	N66001-13-C-4025	Love /John C	06/25/13	05/31/21	0	348,983	348,983
		6928092	C	P069400	N66001-13-C-4025	Strano /Michael S.	09/01/13	10/31/13	0	5,341	0
		6928179	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	2,747,103	(98,320)
		6928180	C	P069400	N66001-13-C-4025	Braatz /Richard D	06/25/13	06/24/15	0	311,017	13,702
		6928181	C	P069400	N66001-13-C-4025	Strano /Michael S.	06/25/13	06/24/15	0	628,716	(49,244)
		6928182	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	388,078	(14,718)
		6928183	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	466,202	122,152
		6928184	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	986,243	57,591
		6928185	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	836,401	0
		6928186	C	P267500	N66001-13-C-4025	Han /Jongyoon	06/25/13	06/24/15	0	706,495	(40,796)
		6928187	C	P267600	N66001-13-C-4025	Lu /Timothy K	06/25/13	06/24/15	0	891,332	55,539
		6928188	C	P267600	N66001-13-C-4025	Ram /Rajeev J	06/25/13	06/24/15	0	835,200	(26,654)
		6928729	C	P267600	N66001-13-C-4025	Ram /Rajeev J	09/01/13	06/24/15	0	45,797	0
		6928866	C	P267600	N66001-13-C-4025	Ram /Rajeev J	10/01/13	06/24/17	0	6,600	0
		6930050	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	416,085	0
		6930637	C	P152000	N66001-14-2-4058	Pentelute /Bradley L.	09/01/14	08/31/19	7,979	4,923,638	0
		6932090	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	9,419	6,027,795	(86,237)
		6932091	C	P402010	N66001-13-C-4025	Braatz /Richard D	06/25/15	06/24/18	0	539,461	0
		6932092	C	P402010	N66001-13-C-4025	Strano /Michael S.	06/25/15	02/29/16	0	163,727	0
		6932093	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	09/30/18	0	437,662	0
		6932094	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/17	0	84,433	0
		6932095	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	984,832	0
		6932096	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	0	637,674	28,013

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6932097	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	0	484,098	0
		6932098	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	0	573,570	0
		6932099	C	P267500	N66001-13-C-4025	Han /Jongyoon	06/25/15	02/29/16	0	299,832	(0)
		6932100	C	P267600	N66001-13-C-4025	Lu /Timothy K	06/25/15	02/29/16	0	130,650	0
		6932101	C	P267600	N66001-13-C-4025	Ram /Rajeev J	06/25/15	03/31/16	0	165,237	(0)
		6932102	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	12,671	1,702,618	(8,786)
		6933144	C	P062000	N66001-16-C-4005	Jensen /Klavs F	11/23/15	07/22/17	51	318,436	0
		6933146	C	P152000	N66001-16-C-4005	Jamison /Timothy F	11/23/15	07/22/17	(51)	316,004	0
		6933773	C	P243020	N66001-16-C-4039	Temkin /Richard J	05/23/16	06/30/21	335,379	1,801,771	235,391
		6933984	C	P060600	N66001-16-1-4038	Akinwande /Akintunde I	05/16/16	05/15/19	3,479	899,951	0
		6934329	C	P243020	N66001-16-C-4039	Temkin /Richard J	05/23/16	06/30/21	914	118,000	3,982
		6935940	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	258,123	0
		6935941	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	10/24/17	0	14,450	0
		6935942	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	0	5,116	(0)
		6935943	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	128,876	0
		6935944	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	58,266	0
		6936212	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	(1,526)	468,000	75,134
		6936597	C	P067952	N66001-17-1-4039	Jegelka /Stefanie Sabrina	06/27/17	06/26/20	171,670	500,000	2,086
		6937087	C	P039000	N66001-17-2-4054	Esvelt /Kevin Michael	05/31/17	08/31/19	1,398,539	5,584,286	0
		6939356	C	P402010	N66001-13-C-4025	Love /John C	09/01/18	05/31/21	213,637	499,255	68,515
		6941164	C	P402010	N66001-13-C-4025	Love /John C	06/01/19	05/31/21	178,629	1,568,296	1,389,667
		6941165	C	P402010	N66001-13-C-4025	Love /John C	06/01/19	08/31/19	0	0	0
	005333 Brown Universit	6933009	C	P266300	00000827	Triantafyllou /Michael S	09/09/15	09/30/20	31,934	936,507	(2)
	007676 University of Ca	6933761	C	P067952	00009042/PO#BB0065096	Devadas /Srinivas	09/28/15	05/31/20	45,809	667,646	16,588
	Total by Primary Sponsor									2,408,533	40,917,801
000152 Navy-ONF Global	007630 University of Pe	6937310	C	P068000	572339	Li /Ju	08/01/17	07/31/20	302,468	595,000	116,742
		Total by Primary Sponsor							302,468	595,000	116,742
000156 Naval Air Warfare Center Weapons Division	004205 Radiation Monitoring Devices	6938352	C	P069850	C18-11	Agarwal /Anuradha	09/25/17	12/14/18	0	29,688	(690)
		6938896	C	P069850	C18-11	Agarwal /Anuradha	06/14/18	12/14/18	0	25,000	(0)
	Total by Primary Sponsor								0	54,688	(690)
000157 US Naval Observatory	000157 US Naval Observatory	6930804	C	P401710	N00189-14-C-Z082	Niell /Arthur E	09/17/14	09/16/19	13,851	485,493	0
		6940143	C	P401710	N0018918PZ468	Ruszczuk /Chester A	09/15/18	08/31/19	9,041	43,371	310
		6941859	C	P401710	N0018919PZ315	Ruszczuk /Chester A	09/30/19	09/29/20	85,993	141,567	55,574
	Total by Primary Sponsor								108,885	670,431	55,884
000160 Defense Advanced Research Projects Agency	000160 Defense Advanced Research Projects Agency	6931952	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	12/31/20	0	480,260	465,707
		6932175	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	293,861	(0)
		6932176	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	512,452	(0)
		6932177	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	73,531	0
		6932178	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	659,211	0
		6932179	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	212,272	0

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		6932180	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	48,784	0
		6932181	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	190,854	(0)
		6932182	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	76,613	0
		6932183	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	39,417	0
		6932184	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	362,116	(0)
		6932185	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	203,024	0
		6932186	C	P069201	HR0011-15-C-0084	Belcher /Angela M	05/04/15	11/04/16	0	486,514	0
		6932187	C	P069201	HR0011-15-C-0084	Lu /Timothy K	05/04/15	11/04/16	0	154,324	0
		6932188	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	349,983	(0)
		6932189	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	107,349	(0)
		6932190	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	1,134,971	0
		6932191	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	4,996,629	0
		6932275	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	111,110	0
		6932839	C	P067952	HR0011-15-2-0047	Balakrishnan /Hari	09/29/15	09/30/20	210,620	1,983,695	161,999
		6933444	C	P267110	HR0011-16-C-0030	Wornell /Gregory W	01/26/16	10/31/20	0	50,238	50,238
		6933528	C	P267110	HR0011-16-C-0030	Wornell /Gregory W	01/26/16	10/31/20	120,588	683,198	130,738
		6933649	C	P267110	HR0011-16-C-0030	Wornell /Gregory W	01/26/16	10/31/20	302,597	1,064,900	12,167
		6933650	C	P267111	HR0011-16-C-0030	Shapiro /Jeffrey H	01/26/16	10/31/20	148,398	591,200	14,614
		6933651	C	P267111	HR0011-16-C-0030	Wong /Ngai Chuen	01/26/16	10/31/20	141,465	668,200	25,256
		6933652	C	P067952	HR0011-16-C-0030	Torralba /Antonio	01/26/16	10/31/20	9,075	391,200	9,808
		6933653	C	P067952	HR0011-16-C-0030	Freeman /William T	01/26/16	10/31/20	139,451	641,200	26,138
		6933654	C	P067952	HR0011-16-C-0030	Durand /Frederic	01/26/16	10/31/20	36,796	691,200	211,824
		6934679	C	P065009	HR0011-16-2-0041	Chen /Gang	08/23/16	08/22/19	75,252	899,262	0
		6935187	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	(23,620)	0	(3,540)
		6935188	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	23,620	42,701	(23,620)
		6935189	C	P069201	HR0011-15-C-0084	Belcher /Angela M	09/13/16	02/28/17	0	128,615	0
		6935190	C	P069201	HR0011-15-C-0084	Lu /Timothy K	09/13/16	02/28/17	0	21,581	700
		6935195	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	309,952	73,981
		6935196	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	375,805	230
		6935197	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	65,488	6,429
		6935198	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	701,276	0
		6935199	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	84,417	15,313
		6935200	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	80,406	2,248
		6935201	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	246,722	29,257
		6935202	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	130,541	0
		6935203	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	1,228,567	(0)
		6935204	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	5,049,302	4,667
		6935404	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	0	641,220	0
		6935405	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	0	52,794	52,794
		6935869	C	P066000	HR00111720029	Hu /Juejun	04/01/17	03/31/21	151,970	1,101,788	134,871
		6935986	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	05/31/18	0	204,303	(0)
		6935987	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	05/31/18	0	147,970	0
		6935988	C	P069201	HR0011-15-C-0084	Belcher /Angela M	11/17/16	05/31/18	0	478,541	(62)
		6935989	C	P069201	HR0011-15-C-0084	Lu /Timothy K	11/17/16	05/31/18	0	174,867	0
		6936090	C	P066000	HR00111720029	Agarwal /Anuradha	04/01/17	03/31/21	50,112	274,089	98,864

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		6936091	C	P066000	HR00111720029	Hu /Juejun	04/01/17	03/31/21	109,133	620,221	221,012
		6936092	C	P066000	HR00111720029	Hu /Juejun	04/01/17	03/31/21	171,975	625,968	151,720
		6936093	C	P066000	HR00111720029	Hu /Juejun	04/01/17	03/31/21	85,029	616,215	218,379
		6936762	C	P267500	HR00111720061	Kim /Jeehwan	08/01/17	12/31/20	75,840	490,696	(6,998)
		6936923	C	P267500	HR00111720061	Kim /Jeehwan	08/01/17	03/31/20	75,017	509,303	(303)
		6937124	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	02/01/17	05/31/18	0	177,592	0
		6937125	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	09/30/18	0	209,055	512
		6937126	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	05/31/18	(2,212)	27,057	(0)
		6937173	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	09/30/18	0	117,819	8,993
		6937572	C	P039020	HR00111820007	Gershenfeld /Neil A	11/03/17	07/12/19	19,428	529,959	(0)
		6937757	C	P067952	HR001118C0018	Chlipala /Adam	12/08/17	08/07/20	0	0	0
		6937758	C	P067952	HR001118C0018	Chlipala /Adam	12/08/17	08/07/20	528,098	919,992	7,299
		6937759	C	P067952	HR001118C0018	Devadas /Srinivas	12/08/17	08/07/20	436,112	899,285	(88,664)
		6937760	C	P067952	HR001118C0018	Mithal /Arvind	12/08/17	08/07/20	331,761	695,581	50,525
		6938170	C	P067952	HR001118C0018	Chlipala /Adam	12/08/17	08/07/20	127,897	380,405	16,437
		6938624	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	12/31/20	(30)	0	0
		6938625	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	18,963	31,589	10,956
		6938626	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	49,261	281,677	(22,122)
		6938627	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	129,638	370,639	(20,674)
		6938628	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	101,172	659,785	60,840
		6938629	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	12/31/20	140,143	460,155	280,437
		6938630	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	12/31/20	400,900	1,610,704	379,442
		6938631	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	12/31/20	2,512,944	5,542,576	840,702
		6938633	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	14,689	183,120	(3,638)
		6938634	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	170,518	431,937	22,074
		6938636	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	08/31/20	87,039	338,010	21,047
		6938637	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	08/31/20	0	26,939	26,939
		6938638	C	P069201	HR0011-15-C-0084	Belcher /Angela M	05/03/18	12/31/20	712,635	1,228,763	60,912
		6938639	C	P069201	HR0011-15-C-0084	Lu /Timothy K	05/03/18	05/02/20	0	75,652	0
		6938692	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	(1,347,320)	31,634,684	30,489,590
		6938693	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	11,419,952	22,860,162	(11,140)
		6938745	C	P031000	HR00111810004	Tibbits /Skylar	06/04/18	06/03/19	17,877	555,667	0
		6938997	C	P060600	HR0011-18-3-0006	Chandrakasan /Anantha P	05/29/18	03/31/21	102,599	200,000	(9,499)
		6939148	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/20	87,652	422,000	2,461
		6939444	C	P067952	HR0011-15-2-0047	Clark /David D	04/01/18	09/30/20	81,303	169,818	3,783
		6940082	C	P031000	HR00111810004	Tibbits /Skylar	12/20/18	06/03/19	61,165	214,652	0
		6940089	C	P067952	HR0011-19-9-0021	Demaine /Erik D	12/14/18	06/30/20	278,355	633,375	227,272
		6940090	C	P095500	HR0011-19-9-0021	Christia /Fotini	12/14/18	06/30/20	89,622	176,183	27,041
		6940091	C	P067952	HR0011-19-9-0021	Daskalakis /Konstantinos	12/14/18	06/30/20	127,311	181,842	(18,763)
		6941123	C	P067952	HR00111990057	Katz /Boris	06/25/19	07/24/20	376,035	562,789	186,754
		6941314	C	P062000	HR00111920025	Jensen /Klavs F	07/25/19	03/31/21	931,378	2,680,071	1,748,693
		6941477	C	P062000	HR00111920025	Green /William H	07/25/19	09/30/20	106,437	212,648	106,211
		6941478	C	P067952	HR00111920025	Barzilay /Regina	07/25/19	09/30/20	71,916	212,648	140,732
		6941479	C	P067952	HR00111920025	Jaakkola /Tommi S	07/25/19	09/30/20	133,178	212,648	79,470
		6941480	C	P066000	HR00111920025	Gomez-Bombarelli /Rafael	07/25/19	09/30/20	108,118	212,648	104,530

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		6941536	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	331,546	408,000	76,454
		6941537	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	549,969	630,000	80,031
		6941538	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/20	78,872	55,000	(23,872)
		6941539	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/20	3,287	15,000	11,713
		6941540	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	3,114,361	3,114,750	389
		6941541	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	766,750	864,750	98,000
		6941609	C	P062000	HR00111920025	Jensen /Klavs F	09/01/19	09/30/20	7,332	25,150	17,818
		6942061	C	P267200	HR00112010001	Oliver /William D	10/23/19	10/22/20	65,711	75,511	9,800
		6942096	C	P267200	HR00112010001	Oliver /William D	10/23/19	10/22/20	0	22,679	22,679
		6942306	C	P067952	HR00112090016	Edelman /Alan	11/25/19	05/25/21	65,486	250,000	184,514
		6942308	C	P067952	HR00112090017	Amarasinghe /Saman P	12/02/19	06/30/21	194,610	173,000	(21,610)
		6942687	C	P067952	HR001120C0015	Madry /Aleksander	01/31/20	01/30/21	121,494	844,297	722,803
		6942807	C	P067952	HR00112020013	Rinard /Martin C	11/06/19	02/03/21	146,113	78,354	(67,759)
		6942998	C	P267500	HR00111720061	Kim /Jeehwan	03/31/20	12/31/20	30,610	81,160	50,550
		6943019	C	P067952	HR001120C0015	Madry /Aleksander	01/31/20	01/30/21	0	555,816	555,816
		6943020	C	P067952	HR001120C0015	Madry /Aleksander	01/31/20	01/30/21	0	263,834	263,834
		6943067	C	P067952	HR001120C0015	Rinard /Martin C	01/31/20	01/30/21	154,281	250,000	95,719
		6943146	C	P039020	HR0112090066	Gershenfeld /Neil A	06/15/20	09/14/20	4,874	88,942	84,068
		6943287	C	P267200	HR00112090081	Soljadic /Marin	05/12/20	11/11/20	22,385	96,374	73,989
		6943355	C	P067952	HR00112090017	Ragan-Kelley /Jonathan M	12/02/19	06/30/21	0	77,000	77,000
	000721 Department of I	6941233	C	P065004	D19AP00037	Kim /Jeehwan	07/01/19	06/30/22	186,618	500,000	313,382
	002260 Aurora Flight Sciences Corporation	6942276	C	P061097	AMA-19-0015	Cahoy /Kerri	09/27/19	04/27/21	42,111	143,333	101,222
		6943436	C	P061090	AMA-20-0003	How /Jonathan P	05/01/20	01/31/21	0	99,999	99,999
	002537 Charles River Analytics	6942396	C	P154500	SC1911601	Tenenbaum /Joshua B	11/15/19	05/15/21	262,102	474,000	211,898
	003821 New Jersey Inst	6932677	C	P067952	(NP) 996402	Vaikuntanathan /Vinod	08/03/15	08/02/19	49,893	795,085	0
	003904 BAE Systems Ir	6937008	C	P067952	964193	Balakrishnan /Hari	04/19/17	04/18/21	267,975	817,959	92,129
	004298 Sandia National	6934229	C	P061097	AGREEMENT 1340868 / P	Marzouk /Youssef M	05/12/16	09/30/19	(12,890)	706,071	704
	004513 Scientific Systems Company, Incorporated	6941099	C	P061090	SC-1661-04	How /Jonathan P	05/14/19	05/13/20	142,701	150,000	7,299
		6941206	C	P061090	SC-1664-01	How /Jonathan P	06/20/19	01/27/20	79,923	79,923	0
		6941339	C	P061096	SC-1656-01	Shah /Julie A	07/17/19	09/30/20	88,648	219,000	130,352
		6942142	C	P061090	SUBCONTRACT # SC-167	How /Jonathan P	09/13/19	07/17/21	89,397	220,000	130,603
	005274 Boston Universi	6942484	C	P400600	4500003251	Poggio /Tomaso A	09/17/19	09/16/20	144,944	244,095	99,151
	005508 Columbia University	6943003	C	P065005	G14463	Zhao /Xuanhe	02/21/20	02/20/21	133,652	325,000	191,348
		6943120	C	P065005	G14463	Boyden /Edward	02/21/20	02/20/21	27,512	225,000	197,488
	005658 Smart Informati	6939369	C	P067952	CPS-MIT-01	Williams /Brian C	06/06/18	09/07/20	199,213	347,434	(9,902)
	005678 Draper Laboratory Incorporated	6932696	C	P067952	SC001-0000000918	Roy /Nicholas	09/01/15	12/31/18	(31,649)	1,096,872	7,395
6933325		C	P068700	SC001-0000000918	Frazzoli /Emilio	09/01/15	07/13/17	0	171,045	(0)	
6933326		C	P061090	SC001-0000000918	How /Jonathan P	09/01/15	07/13/17	0	100,543	(0)	
6933327		C	P067952	SC001-0000000918	Tedrake /Russell L	09/01/15	07/13/17	0	188,142	(0)	
6937663		C	P067952	SC001-0000000918	Roy /Nicholas	07/14/17	12/31/18	0	879,055	27,045	
6937716		C	P061090	SC001-0000000918	How /Jonathan P	07/14/17	12/31/18	0	100,000	(3,259)	
6938840		C	P067952	SC-001-1190	Shrobe /Howard E	12/01/17	05/31/20	109,269	338,382	73,523	
6939970		C	P068700	SUB# SC001-1243	Win /Moe Z	11/11/18	01/09/20	160,588	200,000	1,056	
	6940529	C	P067952	SC-001-1190	Shrobe /Howard E	03/20/19	02/28/20	98,488	109,950	11,462	

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005690 Duke University	6938444	6938444	C	P067952	313-0793	Broderick /Tamara A	02/20/18	05/30/20	188,258	337,500	1,322
		6940057	C	P067952	313-0793	Tenenbaum /Joshua B	02/20/18	05/30/20	256,011	262,500	(41,987)
005980 Aptima, Inc.	6937326	6937326	C	P067952	SUBCONTRACT NUMBER	Shah /Julie A	08/18/17	07/25/20	100,488	205,969	(1,415)
		6941672	C	P067952	SUBCONTRACT NUMBER	Shah /Julie A	07/26/19	07/25/20	25,548	27,624	2,077
005997 BBN Technolog	6937311	6937311	C	P065005	PO LBN9513244	Lermusiaux /Pierre	07/01/17	12/28/18	(2,737)	211,252	(0)
006112 Harvard Medica School	6938338	6938338	C	P267600	152304.5106735.0006	Lu /Timothy K	01/05/18	07/02/19	(119,061)	367,087	0
		6940234	C	P069201	153283.5110025.0014	Weiss /Ron	12/01/18	05/31/20	336,903	456,092	(34,674)
		6942328	C	P062000	152318.5112612.0006	Jensen /Klavs F	09/01/19	08/31/21	104,938	59,465	(45,473)
		6942560	C	P067952	152318.5112612.0006	Barzilay /Regina	09/01/19	08/31/21	86,538	48,511	(38,027)
		6942710	C	P067952	152318.5112612.0006	Jaakkola /Tommi S	09/01/19	08/31/21	16,102	48,511	32,409
		6943412	C	P069201	153283.5110025.0028	Weiss /Ron	04/28/20	05/31/21	19,944	192,806	172,862
006120 Harvard University	6939734	6939734	C	P061901	167982.0001	Collins /James J.	09/29/17	03/31/20	6,700	10,375	28
		6940105	C	P061901	168007.0002/W911NF192C	Collins /James J.	12/01/18	12/31/20	0	8,898	6,662
		6940300	C	P158000	AGMT DTD 3/19/2019	Chuang /Isaac	09/01/18	01/15/19	(0)	14,164	0
		6940390	C	P061901	167936.0003	Collins /James J.	11/25/18	05/24/19	(90)	6,093	0
		6941264	C	P061902	GEORGE_CHAO_153170_	Greenberg /Julie E	06/01/19	07/31/19	7,308	7,308	(0)
006907 Aurora Flight Sciences RDC	6935749	6935749	C	P061097	AMA-17-0001	Cahoy /Kerri	09/27/16	02/24/20	41,033	268,342	(9)
		6936333	C	P061097	AGRMT EFF. 9/27/16	Cahoy /Kerri	05/01/17	02/24/20	21,596	147,965	0
007150 Princeton University	6939778	6939778	C	P267200	SUBCONTRACT NO: SUBC	Soljacic /Marin	09/28/18	03/24/20	155,146	216,835	(0)
		6940192	C	P267500	SUB0000294	Hu /Qing	12/07/18	07/06/20	261,856	300,063	(58,533)
007255 Rice University	6942813	6942813	C	P267500	SUBCONTRACT NO. R1A2	Anikeeva /Polina Olegovna	08/01/19	07/24/20	22,790	143,875	121,085
007360 Smithsonian Ins	6939228	6939228	C	P158000	18-S-TO-0000404937	Chuang /Isaac	06/01/18	08/31/18	1,289	1,289	(0)
007533 University of Ca	6938347	6938347	C	P067952	KK1838	Katabi /Dina	01/01/18	12/31/20	187,876	914,262	309,469
007534 University of Ca	6943076	6943076	C	P067952	131169460	Clark /David D	02/27/20	07/31/20	18,991	63,750	44,759
007598 University of Tennessee	6939789	6939789	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	09/30/20	0	0	0
		6939882	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	0	0
		6939883	C	P069200	9500074403	Belcher /Angela M	09/28/18	04/15/19	0	54,565	(0)
		6939884	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	40,977	0
		6939885	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	19,960	0
		6939886	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	70,176	(0)
		6939887	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	22,977	(0)
		6939888	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	6,505	0
		6940665	C	P069200	9500074403	Belcher /Angela M	03/26/19	09/30/20	132,533	196,191	41,194
		6940666	C	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	162,755	235,606	51,625
		6940667	C	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	106,390	198,826	66,623
		6940668	C	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	5,992	10,685	1,302
		6941253	C	P069201	SUBAWARD NUMBER 9500081144	Gordon /David B	03/16/19	02/28/20	11,757	11,757	(0)
		6941253	C	P069201	SUBAWARD NUMBER 9500081144	Gordon /David B	03/16/19	02/28/20	11,757	11,757	(0)
007614 University of Ut	6935759	6935759	C	P061093	10043182-MIT	Haimes /Robert	01/01/17	12/31/20	38,636	274,591	34,836
		6935768	C	P061093	10043028-MIT	Haimes /Robert	01/01/17	12/31/20	221,237	747,278	98,591
007623 University of Ch	6938423	6938423	C	P154500	FP067719	Tenenbaum /Joshua B	01/08/18	07/07/20	107,771	139,062	(131,886)
007630 University of Pe	6940107	6940107	C	P121012	575467 / PO #4174326	Rand /David Gertler	10/17/18	08/31/19	(178)	179,764	0
007640 University of Vir	6938713	6938713	C	P066000	GG12078.PO #2182122	Beach /Geoffrey Stephen	11/03/17	09/11/21	117,262	377,056	34,802

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	007641 University of Michigan	6938346	C	P067952	3004811123	Amarasinghe /Saman P	01/01/18	12/31/20	758,917	1,514,127	(32,717)
		6939785	C	P067952	3005210117	Shun /Julian	07/01/18	06/30/20	94,018	133,943	24,689
	007676 University of California - Berkeley	6938520	C	P068700	00009805	Parrilo /Pablo A	04/05/18	09/30/19	86,144	225,000	34,067
		6938878	C	P068700	00009805	Ozdaglar /Asuman E	04/05/18	09/30/19	106,796	225,000	10,087
		6943071	C	P067952	10333	Agrawal /Pulkit	09/19/19	09/18/20	221,527	182,700	(38,827)
	010207 NVIDIA Corporation	6938939	C	P067952	PO 56090640	Amarasinghe /Saman P	06/01/18	06/01/20	221,539	1,534,652	688,040
		6939240	C	P067952	PO 56090640	Sanchez Martin /Daniel	06/01/18	06/01/20	193,500	501,148	81,839
		6939241	C	P267110	PO 56090640	Sze /Vivienne	06/01/18	06/01/20	101,702	287,159	60,376
	010718 United Technol	6935230	C	P061097	1224171 / PO# 2604891	Marzouk /Youssef M	11/01/16	10/19/19	76,858	393,853	(0)
	010852 Raytheon BBN Technologies Corp.	6936196	C	P267200	SLIN 0001 / LBN9513537	Medard /Muriel	04/14/17	04/10/21	182,542	858,023	88,739
		6938139	C	P067952	LBN9513645	Torralba /Antonio	11/03/17	12/31/20	104,829	536,132	110,821
		6940318	C	P069201	PO #4202005609 BBN REF	Weiss /Ron	02/04/19	07/31/20	357,388	354,654	(49,508)
		6942346	C	P067952	PO# 4202187793 BBN REF	Torralba /Antonio	11/25/19	02/28/21	86,573	231,203	144,630
		6942871	C	P267200	SLIN 0001 / LBN9513537	Medard /Muriel	01/15/20	03/31/21	0	41,977	41,977
	010903 Dynamic Object Language Labs, Inc.	6942303	C	P067952	SUB UNDER HR0011-20-C	Shrobe /Howard E	11/01/19	10/31/23	284,596	392,663	108,067
		6942825	C	P067952	SUB UNDER HR0011-20-C	Williams /Brian C	11/01/19	10/31/23	68,060	111,420	43,360
	011147 SYSTEMS & TECHNOLOGY RESEARCH LLC	6937319	C	P121012	2017-0026	Shah /Devavrat	09/30/17	09/10/20	111,787	374,787	28,349
		6941663	C	P067952	2019-0013	Broderick /Tamara A	08/14/19	08/08/22	141,891	178,305	36,414
	011382 IBM Thomas J. Watson Research Cent	6942927	C	P154500	CW3013540	Tenenbaum /Joshua B	03/26/20	07/17/20	136,882	1,235,603	1,098,721
		6943356	C	P154500	CW3031624	Tenenbaum /Joshua B	06/01/20	02/22/21	9,081	780,399	771,318
	011712 Aarno Labs LLC	6939022	C	P067952	SUB UNDER HR001118C0	Rinard /Martin C	04/01/18	09/30/20	765,425	1,250,000	213,096
	011882 BAE Systems	6942890	C	P067952	1056208	Fisher /John W	10/14/19	09/30/22	89,298	278,649	189,352
	101362 On Demand Pharmaceuticals Inc	6934747	C	P062000	001	Jensen /Klavs F	08/01/16	10/31/18	0	786,919	0
		6935009	C	P062000	001	Myerson /Allan S.	08/01/16	09/30/18	0	684,361	0
		6935319	C	P062000	001	Jensen /Klavs F	11/01/16	09/30/18	0	189,744	0
		6935927	C	P062000	001	Myerson /Allan S.	08/01/16	09/30/18	136	337,037	(0)
		6939026	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	12/15/19	70,828	369,283	217,350
	102105 Ecovative Design LLC	6939027	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	12/15/19	134,382	369,054	141,878
		6939028	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	12/15/19	06/15/21	146,888	227,747	80,858
		6939029	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	12/15/19	06/15/21	181,166	229,884	48,718
		6939030	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/17	12/15/19	87,232	366,152	115,169
		6939031	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	12/15/19	125,208	366,154	139,014
	102237 Wyss Institute	6941203	C	P061901	167982.0001	Collins /James J.	02/01/19	01/15/20	63,873	63,876	3
		6942594	C	P061901	167982.0001	Collins /James J.	01/01/20	01/15/21	16,274	17,463	1,189
	105169 Perspecta Labs Inc.	6934363	C	P067952	PO-0008492	Williams /Brian C	06/20/16	06/30/19	(91,250)	507,468	36,474
		6935031	C	P067952	PO-0008492	O'Reilly /Una-May	09/01/16	06/30/19	(4,177)	692,532	(0)
		6939719	C	P067952	PO-0016764 PRIME HR00	Shrobe /Howard E	07/05/18	07/22/22	128,399	315,000	113,750
		6939771	C	P067900	PO-0016764 PRIME HR00	O'Reilly /Una-May	07/05/18	07/22/22	163,845	315,000	(6,560)
		6943405	C	P067952	PO-0020033	O'Reilly /Una-May	05/08/20	11/07/21	0	27,000	27,000
	106351 Haverford Colle	6942287	C	P267600	SUBK DTD. 12/15/2019	Buonassisi /Anthony	12/01/19	03/24/21	172,503	451,413	278,910
	106380 GrammaTech, I	6943304	C	P067952	LETTER DATED 5/8/2020	Solar Lezama /Armando	05/08/20	08/31/20	0	50,000	50,000
	106658 Applied Physic	6938458	C	P065005	APS-18-03	Schmidt /Henrik	01/19/18	07/19/19	10,894	249,899	(0)
	Total by Primary Sponsor								36,071,172	150,545,445	46,372,694
000162	000162 Department of	6931189	C	P068000	2014-DN-077-ARI080-04	Lanza /Richard C	09/17/14	08/31/19	10,449	1,308,986	(0)

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Department of Homeland Security	Homeland Security	6931358	C	P067952	2014-DN-077-ARI080-02	Fisher /John W	09/17/14	08/31/19	(27,293)	594,518	(0)
		Total by Primary Sponsor							(16,844)	1,903,504	(0)
000163 Defense Threat Reduction Agency	000163 Defense Threat Reduction Agency	6928163	C	P062000	HDTRA1-13-1-0038	Olsen /Bradley D.	07/03/13	07/02/19	1,471	1,911,352	(0)
		6929100	C	P267600	HDTRA1-14-1-0007	Lu /Timothy K	01/15/14	02/14/20	91,129	2,500,000	0
		6930550	C	P060600	HDTRA1-14-1-0057	del Alamo /Jesus A	09/02/14	11/30/19	79,271	993,000	0
		6930976	C	P060600	HDTRA1-14-1-0057	del Alamo /Jesus A	09/02/14	11/30/19	87,325	752,600	0
		6931493	C	P061901	HDTRA1-15-1-0040	Collins /James J.	02/12/15	02/14/19	(50)	2,000,000	0
		6931933	C	P267600	HDTRA1-15-1-0050	Lu /Timothy K	05/13/15	05/01/20	410,503	2,500,000	934
		6932146	C	P061901	HDTRA1-15-1-0051	Collins /James J.	06/12/15	12/31/20	370,647	2,471,598	103,435
		6934034	C	P062000	HDTRA1-16-1-0038	Olsen /Bradley D.	05/05/16	08/04/20	147,383	600,000	(306)
	005508 Columbia Unive	6927546	C	P068700	1(GG007792)	Modiano /Eytan H	01/15/13	12/31/19	21,765	578,156	(0)
	005919 George Mason University	6939518	C	P267600	E2045481	Lu /Timothy K	07/12/18	01/11/20	78,018	39,944	(123,402)
		6943499	C	P267600	SUBAWARD NO. E205066	Lu /Timothy K	01/01/20	02/28/21	0	110,056	110,056
	006953 Ohio State Univ	6931042	C	P068700	60040869/RF01385268	Modiano /Eytan H	09/02/14	12/31/19	(5,511)	435,000	(0)
	007676 University of Ca	6940831	C	P066000	SUBAGREEMENT NO. 000	Alexander-Katz /Alfredo	02/07/19	02/06/21	300,146	395,505	95,359
	Total by Primary Sponsor								1,582,098	15,287,212	186,074
000167 Defense Microelectronics Activity (DMEA)	104891 Potomac Institu	6939559	C	P067952	SUBCONTRACT NUMBER	Shrobe /Howard E	09/15/18	10/31/19	35,730	80,000	32
		Total by Primary Sponsor							35,730	80,000	32
000178 United States Army Medical Research Acquisition Activity	000178 United States Army Medical Research Acquisition Activity	6934980	C	P151059	W81XWH-16-1-0671	Keating /Amy E	09/30/16	09/29/19	36,329	424,971	(0)
		6937329	C	P039000	W81XWH-17-1-0669	Esvelt /Kevin Michael	09/30/17	09/29/20	235,481	386,325	6,396
		6938766	C	P062000	W81XWH-18-2-0010	Olsen /Bradley D.	06/01/18	05/31/21	158,913	540,584	341,288
		6938937	C	P402000	W81XWH-18-1-0208	Birnbaum /Michael E	07/01/18	12/31/19	77,753	311,167	0
		6939235	C	P151002	W81XWH1810515	Schwartz /Thomas	08/15/18	08/14/21	493,623	1,466,431	599,024
		6939722	C	P062000	W81XWH-18-2-0010	Olsen /Bradley D.	06/01/18	05/31/21	134,154	768,049	633,895
		6940689	C	P151002	W81XWH1810515	Schwartz /Thomas	04/25/19	08/31/19	13,470	19,231	0
		6940724	C	P039070	W81XWH-19-1-0151	Herr /Hugh M	04/15/19	04/14/22	970,389	3,704,118	2,699,929
		6941134	C	P402000	W81XWH-19-1-0257	Boehnke /Natalie	07/01/19	06/30/21	114,483	155,000	40,517
		6941605	C	P267600	W81XWH1910555	Lu /Timothy K	08/01/19	07/31/21	144,590	145,653	1,063
	005260 Beth Israel Deaconess Medical Center	6936075	C	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/21	0	0	0
		6936076	C	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/17	(35,620)	143,682	(0)
		6940238	C	P402000	01029123	Yaffe /Michael B	09/30/18	09/29/19	81,975	231,091	0
		6942454	C	P402000	01029123	Yaffe /Michael B	09/30/19	09/29/20	199,583	0	(199,583)
	005321 Brigham & Women's Hospital	6940336	C	P039070	SUBAWARD 117951	Herr /Hugh M	09/15/17	09/14/20	141,333	257,793	(6,344)
		6940338	C	P039070	SUBAWARD 119948	Herr /Hugh M	09/30/18	09/29/20	301,666	554,100	202,081
		6943084	C	P039070	122096	Herr /Hugh M	09/30/19	09/29/20	0	415,079	415,079
	Total by Primary Sponsor								3,068,122	9,523,274	4,733,347
000182 United States Army Research Laboratory	000182 United States Army Research Laboratory	6940151	C	P267200	W911NF1920065	Shao-Horn /Yang	01/23/19	01/22/21	92,126	233,175	90,212
		6940626	C	P039020	W911NF1920117	Gershenfeld /Neil A	03/29/19	03/28/22	253,034	299,985	38,211
		6940846	C	P067952	W911NF1920144	Shah /Julie A	04/30/19	04/29/20	96,486	99,999	3,514
		6941121	C	P061093	W911NF1920124	Leveson /Nancy G	05/02/19	05/01/21	137,680	240,000	102,320

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		6941289	C		P065005	W911NF1920228	Novitzky /Michael	07/11/19	10/10/19	74,989	74,989	0
	007614 University of Utah	6939676	C		P061093	10048163-MIT / PO# U000	Haimes /Robert	07/31/18	01/31/21	24,384	67,954	14,515
	007630 University of Pennsylvania	6937915	C		P061090	572622	Roy /Nicholas	09/01/17	08/31/22	0	0	0
		6939085	C		P061090	572622	Roy /Nicholas	09/01/17	08/31/22	11,448	54,250	2,750
		6939086	C		P067952	572622	Roy /Nicholas	09/01/17	08/31/22	217,817	783,363	95,801
		6939087	C		P061090	572622	How /Jonathan P	09/01/17	08/31/22	136,702	616,168	248,228
		6939088	C		P061096	572622	Shah /Julie A	09/01/17	08/31/22	100,348	577,787	182,370
		6939089	C		P061097	572622	Karaman /Sertac	09/01/17	08/31/22	264,586	578,414	32,224
		6939090	C		P061097	572622	Carlone /Luca	09/01/17	08/31/22	306,744	616,168	15,945
		6940647	C		P067952	PO 4271955 SUB#576432	Roy /Nicholas	03/01/19	02/28/20	85,373	99,262	13,888
	102131 H. F. Webster E	6940060	C		P066000	AGRMNT DTD. 10/01/2018	Schuh /Christopher A	10/01/18	12/31/19	26,832	100,000	0
Total by Primary Sponsor									1,828,552	4,441,513	839,978	
000190 Department of Defense - Miscellaneous	001134 Ministry of Defense of Israel	6931680	C		P068700	PO 4440949975	Karaman /Sertac	06/01/15	05/31/19	52,105	300,000	439
		6938047	C		P267500	PO 4440884397	Fink /Yoel	11/16/18	06/30/20	57,255	150,000	(73,985)
		6941452	C		P068700	PO 4440883829	Karaman /Sertac	10/01/17	09/30/19	9,003	196,675	187,672
		6942162	C		P069201	PO 4441024394	Voigt /Christopher A.	12/01/19	11/30/20	78,396	300,000	221,604
	003870 North American	6940908	C		P061901	PO # 4520230567/W81XW	Heldt /Thomas	08/01/18	07/31/21	287,649	620,386	332,737
	006112 Harvard Medical	6939479	C		P061902	45493.2019.0001 / PO 7001	Greenberg /Julie E	09/01/18	05/31/19	502	53,282	0
	006120 Harvard University	6942123	C		P061902	124164	Greenberg /Julie E	06/01/19	04/14/20	55,100	55,953	853
	007387 Stevens Institute of Technology	6939449	C		P069400	2102876-03	Rhodes /Donna H	08/24/18	08/23/19	7,078	55,890	(0)
		6940962	C		P069400	SUBAWARD # 2102948-01	Rhodes /Donna H	06/05/19	06/04/20	349,434	348,042	(1,392)
	Total by Primary Sponsor									896,522	2,080,228	667,927
000191 DOD - Miscellaneous - Non Pool	001134 Ministry of Defense of Israel	6931907	C		P068700	PO 4440661300	Karaman /Sertac	06/01/15	11/30/18	0	380,000	31,720
		6942149	C		P068700	PO 4441027883	Karaman /Sertac	09/01/19	08/31/20	0	100,000	100,000
	003157 HRL Laboratories, LLC	6933520	C		P267200	15026-503667-DS	Oliver /William D	01/22/16	12/31/20	0	0	0
		6933521	C		P267200	15026-503667-DS/BCX3.15	Orlando /Terry Philip	01/22/16	12/11/17	0	300,000	0
		6935707	C		P267200	15026-503667-DS/BFX3.15	Oliver /William D	12/12/16	05/31/18	0	195,117	(0)
		6941115	C		P267200	15026-503667-DS	Oliver /William D	05/01/19	12/31/20	136,285	133,997	(2,288)
		6941486	C		P267200	15026-503667-DS	Oliver /William D	08/01/19	12/31/20	54,458	66,003	11,545
		6942812	C		P267200	15026-503667-DS	Oliver /William D	02/19/20	12/31/20	34,779	100,000	65,221
	Total by Primary Sponsor									225,523	1,275,117	206,197
000192 DOD-Agency	000192 DOD-Agency	6943399	C		P069400	HQ00342010008	Rhodes /Donna H	05/22/20	07/31/21	0	119,967	119,967
	005817 Dana Farber Cancer	6943260	C		P402000	3085501	Hammond /Paula T	07/01/20	12/31/20	0	22,000	22,000
	007387 Stevens Institute	6941670	C		P069400	SUBAWARD # 2102960-02	Rhodes /Donna H	06/21/19	06/20/20	36,408	35,000	(1,408)
	009001 Lincoln Laboratory	6940202	C		P061090	PO#7000442474	Stirling /Leia A.	10/01/18	09/30/20	141,678	292,000	67,800
	102127 Advanced Functional Fabrics of America (AFFOA)	6938663	C		P069850	EXHIBIT 1-A	Tibbits /Skylar	05/08/18	10/31/19	0	586	586
		6938682	C		P069850	EXHIBIT 1-A	Tibbits /Skylar	05/08/18	12/31/20	213,840	916,786	74,239
		6938794	C		P417500	EXHIBIT 1-A	Hart /Anastasios John	05/08/18	05/07/19	0	66,128	0
		6941166	C		P065009	TASK ORDER NUMBER: 0	Boriskina /Svetlana V	05/01/19	12/31/19	29,414	29,414	0
	103529 Advanced Research	6941797	C		P069201	SUBAWARD NO. T0060	Weiss /Ron	10/01/19	07/05/20	341,461	299,969	(41,492)
104685 Civil-Military Inter	6939234	C		P401823	1807-001	Murray /Fiona E	07/01/18	06/30/19	36,885	171,592	(0)	

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	Total by Primary Sponsor								799,686	1,953,441	241,692
000193 Air Force Research Laboratory - WPAFB	000193 Air Force Research Laboratory - WPAFB	6935567	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	12/29/20	0	500	500
		6935572	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	12/29/20	0	1,047,456	1,168
		6935573	C	P065004	FA8650-17-C-9113	Barbastathis /George	11/29/16	12/29/20	283,828	1,233,802	392,663
		6935575	C	P068000	FA8650-17-C-9113	Lanza /Richard C	11/29/16	11/22/18	0	221,421	0
		6935576	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	2,621	0
		6935624	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	334,200	0
		6935625	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	42,255	(0)
		6935626	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	426,269	0
		6937226	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	2,159	0
		6938425	C	P068700	FA8650-18-2-7838	Jadbabaie-Moghadam /Ali	04/11/18	10/10/19	26,810	562,490	0
		6938512	C	P067952	FA8650-18-2-7838	Jegelka /Stefanie Sabrina	04/11/18	10/10/19	56,848	187,500	(0)
		6940840	C	P039020	FA8650-19-2-7921	Gershenfeld /Neil A	05/24/19	12/31/20	340,655	496,143	145,948
	009001 Lincoln Laborat	6942049	C	P061096	PO# 7000466958	Linares /Richard	09/01/19	08/31/20	175,683	199,648	23,965
	Total by Primary Sponsor								883,824	4,756,463	564,244
000200 DOE - Chicago	000200 DOE - Chicago	6241700	C	P159400	DE-FG02-94ER61937	Prinn /Ronald G	09/15/94	12/14/16	0	16,633,747	(0)
		6397900	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/15/93	06/30/20	0	5,980	0
		6398000	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/15/95	06/30/20	42,363	359,008	0
		6398100	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/15/95	06/30/20	50,156	4,113,430	(1)
		6398200	C	P243020	DE-FG02-94ER54235	Woskov /Paul P	10/15/95	05/31/12	0	3,498,326	0
		6398300	C	P243020	DE-FG02-94ER54235	Woskov /Paul P	10/15/95	12/14/11	0	876,680	0
		6398400	C	P243020	DE-FG02-94ER54235	Woskov /Paul P	10/15/95	12/14/11	0	48,175	0
		6398500	C	P243020	DE-FG02-94ER54235	Petrasso /Richard D	10/15/95	10/14/01	0	112,288	0
		6398700	C	P243020	DE-FG02-94ER54235	Petrasso /Richard D	10/15/95	10/14/01	0	11,580	(0)
		6398800	C	P243020	DE-FG02-94ER54235	Petrasso /Richard D	10/15/95	10/14/01	0	32,023	0
		6398900	C	P243020	DE-FG02-94ER54235	Petrasso /Richard D	10/15/95	10/14/01	0	35,296	0
		6399000	C	P243020	DE-FG02-94ER54235	Woskov /Paul P	10/15/95	10/14/97	0	16	0
		6399100	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/14/97	10/14/97	0	1,133	0
		6674600	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	04/01/98	03/14/16	0	19,227	(0)
		6787200	C	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	62	235,341,057	0
		6891259	C	P152000	DE-FG02-00ER15087	Nelson /Keith Adam	09/01/00	12/31/15	0	1,927,232	(0)
		6894544	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	04/15/02	03/14/17	0	153,578	0
		6894545	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	04/15/02	03/14/17	0	104,949	0
		6899824	C	P267100	DE-FG02-94ER54235	Bers /Abraham	06/01/06	02/14/08	0	4,799	(0)
		6917377	C	P243020	DE-FC02-08ER54966	Ernst /Darin R	02/15/08	02/14/20	111,727	1,190,000	0
		6919150	C	P243020	DE-FG02-94ER54235	Whyte /Dennis G	12/15/08	03/14/13	0	946,087	(0)
		6919681	C	P243020	DE-FG02-94ER54235	Whyte /Dennis G	05/01/09	03/14/13	0	164,860	0
		6926611	C	P062000	DE-SC0008744	Stephanopoulos /Gregory	09/01/12	02/28/20	155,515	4,493,208	68,167
		6926841	C	P062000	DE-SC0008744	Stephanopoulos /Gregory	09/01/12	11/30/18	175,000	1,878,854	0
		6926842	C	P062000	DE-SC0008744	Stephanopoulos /Gregory	09/01/12	11/30/18	0	379,230	0
		6928419	C	P243020	DE-SC0010720	Wukitch /Stephen James	08/15/13	05/14/19	431	3,903,966	(0)
		6928499	C	P065004	DE-SC0010795	Hart /Anastasios John	06/15/13	07/31/19	0	582,896	0

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		6930299	C	P066000	DE-SC0012371	Beach /Geoffrey Stephen	05/17/14	08/14/19	(301)	750,000	0
		6930504	C	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	(158)	9,522	(0)
		6930516	C	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	158	534,000	0
		6930588	C	P065004	DE-SC0010795	Hart /Anastasios John	06/15/13	09/14/18	0	10,609	0
		6930635	C	P063007	DE-SC0012555	Thompson /Janelle Renee	09/01/14	08/31/19	1,372	873,439	0
		6930894	C	P062000	DE-SC0012555	Prather /Kristala L	09/01/14	08/31/19	(945)	557,924	0
		6931791	C	P243020	DE-FG02-99ER54563	Porkolab /Miklos	12/23/14	03/31/20	(1,901)	259,302	(0)
		6931792	C	P243020	DE-FG02-99ER54563	Porkolab /Miklos	04/01/15	03/31/20	1,285	239,014	0
		6931838	C	P065004	DE-SC0010795	Hart /Anastasios John	06/15/13	09/14/18	0	5,754	0
		6932139	C	P159900	DE-SC0013999	Slatyer /Tracy Robyn	07/15/15	07/14/20	149,246	750,000	(1,182)
		6932140	C	P159900	DE-SC0013905	Lee /Yen-Jie	07/15/15	07/14/20	43,599	750,000	(452)
		6932374	C	P152000	DE-SC0014176	Surendranath /Yogesh	08/15/15	08/14/20	97,221	750,000	9,875
		6932486	C	P066000	DE-SC0002626	Chiang /Yet-Ming	09/15/15	09/14/20	12,909	611,085	53,538
		6932731	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	0	3,254,749	3,248,365
		6933242	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	1,598,758	7,578,694	80,156
		6933243	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	132,681	1,133,066	403,943
		6933244	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	0	30,500	11,217
		6933245	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	2,053,056	9,131,160	369,925
		6933246	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	235,607	1,670,500	608,976
		6933247	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	22,125	50,000	15,410
		6933248	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	0	658,461	0
		6933249	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/20	0	29,369	0
		6933324	C	P062000	DE-SC0014901	Green /William H	03/01/16	02/28/19	(0)	431,980	(0)
		6933421	C	P243020	DE-SC0014264	Whyte /Dennis G	09/01/15	08/31/20	200,120	472,213	89,366
		6933943	C	P243020	DE-SC0015566	Temkin /Richard J	01/01/16	04/30/19	(4)	1,212,423	(0)
		6934129	C	P267200	DE-FG02-07ER46474	Baldo /Marc A	07/01/16	06/30/19	1,180	600,025	(0)
		6934139	C	P152000	DE-FG02-07ER46454	Bawendi /Moungi G	06/01/16	05/31/19	(845)	776,624	0
		6934488	C	P243020	DE-SC0016215	Gomes Loureiro /Nuno F	08/01/16	07/31/20	49,601	576,298	6,631
		6934503	C	P062000	DE-SC0016214	Roman /Yuriy	08/01/16	08/31/19	48,364	450,000	(0)
		6934516	C	P243020	DE-SC0016154	Porkolab /Miklos	08/01/16	07/31/19	179,532	760,085	0
		6934675	C	P243020	DE-SC0016408	Whyte /Dennis G	08/01/16	09/30/21	273,392	769,878	209,496
		6934704	C	P243020	DE-SC0010492	Bonoli /Paul T	08/15/16	08/14/19	374,693	1,949,098	(0)
		6934741	C	P243020	DE-SC0016409	Marmar /Earl S	09/01/16	05/31/20	35,041	210,255	22,271
		6934886	C	P159900	DE-SC0016285	Wyslouch /Boleslaw	03/01/16	03/31/21	113,293	2,910,332	93,820
		6935101	C	P159900	DE-SC0011090	Taylor /Washington	11/01/16	10/31/19	62,179	260,000	(0)
		6935102	C	P159900	DE-SC0011090	Taylor /Washington	11/01/16	10/31/19	496,054	2,758,922	0
		6935103	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/16	10/31/19	11,296	12,600	0
		6935104	C	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/16	10/31/19	(47)	0	0
		6935105	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	(70,589)	1,479,046	0
		6935106	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	78,985	467,156	0
		6935107	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	177,688	353,304	0
		6935108	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	222,171	1,383,944	0
		6935109	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	206,922	489,000	(0)
		6935111	C	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/16	10/31/19	6,541	17,550	0

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		6935112	C	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/16	10/31/19	4,444	851,000	0
		6935114	C	P159900	DE-SC0011755	Ting /Samuel	11/01/16	10/31/19	347,575	6,690,245	(0)
		6935115	C	P159900	DE-SC0011755	Wyslouch /Boleslaw	11/01/16	10/31/19	20,511	45,850	(0)
		6935116	C	P159900	DE-SC0011755	Ting /Samuel	11/01/16	10/31/19	8,850	433,000	0
		6935117	C	P159900	DE-SC0011755	Ting /Samuel	11/01/16	10/31/19	160,532	859,000	0
		6935118	C	P159900	DE-SC0011755	Ting /Samuel	11/01/16	10/31/19	1,129,124	1,129,905	0
		6935120	C	P159900	DE-SC0011848	Ting /Samuel	11/01/16	01/31/20	367,004	5,526,510	(0)
		6935121	C	P159900	DE-SC0011848	Wyslouch /Boleslaw	11/01/16	10/31/19	10,691	27,490	(0)
		6935122	C	P159900	DE-SC0011091	Wyslouch /Boleslaw	11/01/16	10/31/19	157	0	0
		6935123	C	P159900	DE-SC0011091	Formaggio /Joseph A	11/01/16	10/31/19	184,115	1,275,000	0
		6935127	C	P159900	DE-FG02-94ER40818	Wyslouch /Boleslaw	02/01/17	10/31/18	0	0	0
		6935534	C	P159400	DE-FG02-94ER61937	Prinn /Ronald G	12/15/16	12/14/19	368,064	3,000,000	(0)
		6935665	C	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/18	0	704	0
		6935666	C	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	10/31/19	8,010	32,938	(0)
		6935667	C	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	22,856	0	0
		6935668	C	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	10/31/19	87,885	1,724,660	0
		6935670	C	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	01/31/19	(175)	0	0
		6935671	C	P159900	DE-FG02-94ER40818	Redwine /Robert P	02/01/17	07/31/19	(728,968)	0	(0)
		6935672	C	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	10,710	807,054	(0)
		6935673	C	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	10/31/19	3,624	338,888	(0)
		6935674	C	P159900	DE-FG02-94ER40818	Redwine /Robert P	02/01/17	07/31/19	(7,684)	106,214	(0)
		6935675	C	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	(321,066)	0	0
		6935676	C	P159900	DE-FG02-94ER40818	Williams /Michael	02/01/17	10/31/19	(126,639)	455,818	0
		6935677	C	P159900	DE-FG02-94ER40818	Williams /Michael	02/01/17	10/31/19	(61,525)	197,220	0
		6935678	C	P159900	DE-FG02-94ER40818	Bernstein /Aron M	02/01/17	07/31/19	0	4,767	0
		6935679	C	P159900	DE-FG02-94ER40818	Matthews /June L	02/01/17	07/31/19	5,863	0	0
		6935680	C	P159900	DE-FG02-94ER40818	Matthews /June L	02/01/17	07/31/19	(4,899)	5,772	0
		6935681	C	P159900	DE-FG02-94ER40818	Kowalski /Stanley B	02/01/17	07/31/19	41,757	0	0
		6935682	C	P159900	DE-FG02-94ER40818	Donnelly /William J	02/01/17	07/31/19	0	3,544	0
		6935683	C	P159900	DE-FG02-94ER40818	Bernstein /Aron M	02/01/17	07/31/19	314	0	0
		6935684	C	P159900	DE-FG02-94ER40818	Kowalski /Stanley B	02/01/17	07/31/19	44,477	0	0
		6935685	C	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	10/31/19	(129,227)	536,760	(0)
		6935686	C	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	0	53,677	0
		6935687	C	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	(827)	0	0
		6935688	C	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	(130)	0	0
		6935689	C	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	(40,489)	195,415	0
		6935690	C	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	(10)	9,338	0
		6935691	C	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	10/31/19	(202,444)	615,952	0
		6935694	C	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	(85,077)	706,000	(0)
		6935695	C	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	(767,515)	2,400,400	(0)
		6935697	C	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	(122,337)	282,400	0
		6935698	C	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	31,104	70,600	(0)

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		6935699	C	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	22,040	70,600	0
		6935813	C	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/21	377,592	831,912	11,624
		6935854	C	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/21	0	126,594	111,319
		6936080	C	P159900	DE-SC0011939	Wyslouch /Boleslaw	02/01/14	03/31/20	0	0	0
		6936104	C	P243020	DE-SC0012071	Hubbard /Amanda E	05/01/17	04/30/21	191,899	610,395	(466)
		6936150	C	P159900	DE-SC0012567	Taylor /Washington	02/01/14	03/31/20	416,347	1,591,700	(0)
		6936151	C	P159900	DE-SC0012567	Taylor /Washington	02/01/14	03/31/20	116,016	473,700	0
		6936152	C	P159900	DE-SC0012567	Wyslouch /Boleslaw	02/01/14	03/31/20	8,267	9,600	(0)
		6936153	C	P159900	DE-SC0011939	Paus /Christoph M. E.	02/01/14	03/31/20	372,317	1,016,030	(231,553)
		6936154	C	P159900	DE-SC0011939	Paus /Christoph M. E.	02/01/14	03/31/20	349,381	2,008,770	248,280
		6936477	C	P152000	DE-SC0018235	Dinca /Mircea	06/01/17	11/30/20	192,484	570,000	16,248
		6936586	C	P159900	DE-SC0011939	Wyslouch /Boleslaw	02/01/14	03/31/20	5,012	15,200	112
		6936656	C	P159900	DE-FG02-94ER40818	Wyslouch /Boleslaw	02/01/17	10/31/18	6,448	0	0
		6936657	C	P159900	DE-SC0011848	Ting /Samuel	11/01/16	10/31/19	391,626	0	0
		6936731	C	P159900	DE-SC0016285	Ting /Samuel	03/01/16	03/31/19	0	31,668	0
		6936837	C	P159900	DE-SC0017936	Winslow /Lindley	07/15/17	07/14/20	2,812	39,000	(1,656)
		6936848	C	P243020	DE-SC0018095	Porkolab /Miklos	08/01/17	08/31/20	109,892	329,199	135,610
		6936851	C	P243020	DE-SC0016154	Porkolab /Miklos	08/01/16	07/31/19	4,150	20,911	0
		6937010	C	P065009	DE-FG02-02ER45977	Chen /Gang	07/01/17	06/30/20	182,785	447,694	1,712
		6937027	C	P066000	DE-SC0018091	Schuh /Christopher A	08/15/17	08/14/20	155,370	407,500	66,708
		6937044	C	P243020	DE-SC0014264	Marmar /Earl S	03/01/17	08/31/20	288	42,000	(42,980)
		6937074	C	P152000	DE-SC0018094	Willard /Adam P.	09/01/17	08/31/20	108,167	393,991	67,488
		6937088	C	P159900	DE-SC0017936	Winslow /Lindley	07/15/17	07/14/20	18,035	21,000	2,965
		6937188	C	P062000	DE-SC0018096	Kulik /Heather Janine	09/01/17	08/31/21	74,714	292,725	105,456
		6937192	C	P243020	DE-SC0014264	Gomes Loureiro /Nuno F	07/01/17	08/31/20	50,548	72,588	1,641
		6937193	C	P243020	DE-SC0014264	Hartwig /Zachary Seth	09/01/17	08/31/20	382	50,000	1,731
		6937264	C	P243020	DE-SC0018090	Bonoli /Paul T	09/01/17	08/31/20	520,529	1,771,000	180,980
		6937265	C	P152000	DE-SC0018097	Schlau-Cohen /Gabriela S	09/01/17	08/31/20	181,522	600,000	44,380
		6937268	C	P063007	DE-SC0018357	Juanes /Ruben	08/01/17	07/31/20	292,519	705,362	138,871
		6937278	C	P159900	DE-SC0018121	Detmold /William	06/01/17	08/31/20	284,238	993,700	68,859
		6937293	C	P243020	DE-SC0012470	Greenwald /Martin J	09/01/17	08/31/20	651,545	1,916,357	274,659
		6937295	C	P062000	DE-SC0007106	Olsen /Bradley D.	08/15/17	08/14/20	255,187	690,000	63,285
		6937305	C	P069850	DE-FG02-08ER46521	Gedik /Nuh	08/15/17	08/14/20	322,664	1,124,999	180,777
		6937378	C	P067952	DE-SC0018121	Amarasinghe /Saman P	06/01/17	08/31/20	192,086	402,300	(16,497)
		6937470	C	P243020	DE-SC0010492	Bonoli /Paul T	08/15/16	08/14/19	160,451	188,000	(0)
		6937598	C	P243020	DE-SC0016409	Marmar /Earl S	11/01/16	05/31/20	0	387,000	(24,487)
		6937620	C	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/21	86,144	204,494	85,992
		6937629	C	P243020	DE-FC02-93ER54186	Minervini /Joseph V	11/15/17	11/14/20	399,556	1,930,466	547,948
		6937630	C	P243020	DE-FC02-93ER54186	Minervini /Joseph V	11/15/17	11/14/20	69,836	300,000	52,990
		6937631	C	P243020	DE-FC02-93ER54186	Takayasu /Makoto	11/15/17	11/14/20	0	18,634	13,992
		6937632	C	P243020	DE-FC02-93ER54186	Temkin /Richard J	11/15/17	11/14/20	26,604	583,000	451,241
		6937634	C	P243020	DE-FC02-93ER54186	Wallace /Gregory Marriner	11/15/17	11/14/20	49,274	294,000	165,063
		6937635	C	P243020	DE-FC02-93ER54186	Whyte /Dennis G	11/15/17	11/14/20	2,115	63,900	4,837
		6937689	C	P243020	DE-SC0018095	Porkolab /Miklos	08/01/17	08/31/20	6,375	32,801	6,523
		6937690	C	P243020	DE-SC0016154	Porkolab /Miklos	08/01/17	07/31/19	0	59,004	0

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		6937693	C	P243020	DE-SC0014264	Marmar /Earl S	12/01/17	08/31/20	0	17,000	11,000
		6937752	C	P243020	DE-SC0014264	Marmar /Earl S	11/01/17	08/31/20	86,156	40,000	(97,396)
		6937914	C	P152000	DE-SC0018091	Nelson /Keith Adam	08/15/17	08/14/20	140,498	407,500	2,849
		6937945	C	P243020	DE-SC0014264	Marmar /Earl S	10/12/17	08/31/20	389,768	640,000	(392,565)
		6937946	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/21	0	0	0
		6937947	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/21	1,172,769	3,539,000	754,814
		6937948	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/21	47,696	169,000	32,967
		6937949	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/21	0	0	16,987
		6937950	C	P243020	DE-FG02-91ER54109	Whyte /Dennis G	02/01/18	01/31/21	85,132	143,520	112
		6938143	C	P243020	DE-FC02-93ER54186	Temkin /Richard J	11/15/17	11/14/20	1,415	5,000	3,585
		6938215	C	P062000	DE-FG02-08ER46488	Strano /Michael S.	02/15/18	02/14/21	198,810	637,000	129,134
		6938405	C	P243020	DE-SC0018095	Porkolab /Miklos	08/01/17	11/30/19	0	0	0
		6938669	C	P267100	DE-SC0018652	Vuletic /Vladan	05/01/18	04/30/19	(107)	400,000	(0)
		6938677	C	P069850	DE-FG02-08ER46514	Ashoori /Raymond	08/01/17	07/31/20	167,441	570,000	35,798
		6938694	C	P153000	DE-FG02-99ER15004	Rothman /Daniel H	04/15/18	04/14/20	33,000	149,604	(9,450)
		6938772	C	P243020	DE-SC0010492	Bonoli /Paul T	08/15/16	08/14/19	0	46,806	0
		6938828	C	P243020	DE-SC0014264	Marmar /Earl S	06/14/18	08/31/20	407	35,000	2,778
		6939045	C	P067952	DE-SC0018947	Shun /Julian	09/01/18	08/31/20	101,990	300,000	150,306
		6939046	C	P159900	DE-SC0018944	Harlow /Daniel L.	06/01/18	03/31/20	164,427	179,000	177
		6939051	C	P417500	DE-SC0018945	Fu /Liang	06/01/18	05/31/21	105,648	390,000	117,656
		6939057	C	P243020	DE-SC0014264	Porkolab /Miklos	09/01/17	08/31/20	90,586	170,000	58,825
		6939058	C	P243020	DE-SC0014264	Porkolab /Miklos	09/01/17	08/31/20	132,673	505,000	270,169
		6939064	C	P417500	DE-SC0018935	Jarillo-Herrero /Pablo	08/01/18	07/31/20	275,692	350,000	(34,697)
		6939065	C	P159900	DE-SC0018936	Milner /Richard G	08/15/18	08/14/20	133,845	278,000	51,811
		6939067	C	P063007	DE-SC0018934	Kroll /Jesse	08/15/18	08/14/20	79,469	380,897	275,030
		6939082	C	P243020	DE-SC0014264	Marmar /Earl S	07/01/18	08/31/20	1,965,874	2,958,700	965,734
		6939084	C	P243020	DE-SC0014264	Marmar /Earl S	07/01/18	08/31/20	7,169	97,000	4,511
		6939099	C	P417500	DE-SC0002633	Van Vliet /Krystyn J	07/15/18	07/14/21	101,804	716,090	590,924
		6939142	C	P243020	DE-SC0014264	Marmar /Earl S	08/01/18	08/31/20	137,570	75,000	(150,914)
		6939163	C	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/20	289,891	487,000	114,091
		6939186	C	P417500	DE-SC0002633	Van Vliet /Krystyn J	07/15/18	07/14/20	130,653	229,068	(14,970)
		6939187	C	P417500	DE-SC0002633	Tuller /Harry L	07/15/18	07/14/20	140,179	361,618	57,834
		6939188	C	P417500	DE-SC0002633	Yildiz /Bilge	07/15/18	07/14/20	57,554	133,884	21,826
		6939189	C	P417500	DE-SC0002633	Chiang /Yet-Ming	07/15/18	07/14/20	90,398	210,283	(10,895)
		6939190	C	P417500	DE-SC0002633	Carter /W Craig	07/15/18	07/14/20	0	11,561	11,561
		6939191	C	P417500	DE-SC0002633	Li /Ju	07/15/18	07/14/20	123,592	154,593	(40,521)
		6939225	C	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/21	139,669	621,357	192,293
		6939243	C	P062000	DE-SC0019087	Smith /Zachary P	09/01/18	08/31/20	177,367	286,064	(28,793)
		6939255	C	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/20	608	13,000	6,549
		6939277	C	P243020	DE-SC0019089	White /Anne E.	09/01/18	08/31/20	87,411	200,000	107,541
		6939290	C	P159900	DE-SC0019127	Harlow /Daniel L.	09/01/18	08/31/20	135,660	344,000	144,910
		6939328	C	P267111	DE-SC0019129	Berggren /Karl K	09/01/18	08/31/20	230,661	300,000	33,496
		6939341	C	P159900	DE-SC0019128	Thaler /Jesse	08/01/18	07/31/20	114,084	264,000	19,852
		6939410	C	P062000	DE-SC0019345	Tisdale /William	09/01/18	08/31/20	227,072	565,643	(39,262)
		6939417	C	P417500	DE-SC0008739	Todadri /Senthil	08/15/18	08/14/20	115,169	270,000	53,009

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		6939457	C	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/21	3,386	6,640	(2,404)
		6939458	C	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/21	50,020	118,000	67,980
		6939463	C	P243020	DE-SC0014264	Marmar /Earl S	08/01/18	08/31/20	36,957	22,000	(19,177)
		6939470	C	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	08/31/20	303,147	768,223	12,916
		6939476	C	P159900	DE-SC0019295	Formaggio /Joseph A	08/01/18	12/31/19	373	45,000	(0)
		6939478	C	P066000	DE-SC0019383	Ross /Frances Mary	09/01/18	07/31/20	71,787	175,097	76,300
		6939487	C	P159900	DE-FG02-03ER54700	Coppi /Bruno	04/01/18	09/30/19	38,200	360,000	(872)
		6939512	C	P417500	DE-SC0019126	Comin /Riccardo	09/01/18	08/31/20	188,314	402,218	61,468
		6939515	C	P066000	DE-SC0019383	Ross /Frances Mary	09/01/18	07/31/19	10,515	10,515	(0)
		6939534	C	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	08/31/20	174,057	451,575	181,690
		6939570	C	P243020	DE-SC0014264	Marmar /Earl S	11/01/17	08/31/20	0	32,000	13,647
		6939631	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	208,335	449,381	(2,591)
		6939725	C	P062000	DE-SC0019112	Kulik /Heather Janine	08/01/18	07/31/20	115,115	240,000	11,724
		6939726	C	P062000	DE-SC0019112	Bazant /Martin Z	08/01/18	07/31/20	119,296	240,000	3,404
		6939727	C	P062000	DE-SC0019112	Blankschtein /Edmundo D	08/01/18	07/31/20	100,088	240,000	28,703
		6939728	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	224,665	373,750	89,868
		6939729	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	202,783	373,750	37,885
		6939730	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	100,186	253,750	93,743
		6939731	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	102,676	253,750	151,074
		6939732	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	428,415	853,750	198,605
		6939733	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	415,408	613,750	160,530
		6939766	C	P417500	DE-SC0002633	Van Vliet /Krystyn J	09/01/18	07/14/20	0	14,400	5,907
		6939953	C	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/20	16,095	100,000	83,905
		6940039	C	P152000	DE-FG02-87ER13671	Field /Robert W	11/01/18	04/30/20	39,308	148,000	0
		6940041	C	P417500	DE-FG02-03ER46076	Lee /Patrick A	12/01/18	11/30/20	156,051	324,000	78,935
		6940199	C	P063007	DE-SC0018934	Heald /Colette L.	08/15/18	08/14/20	110,675	314,163	201,034
		6940366	C	P062000	DE-SC0014901	Green /William H	03/01/19	02/28/21	108,049	292,360	142,412
		6940580	C	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/20	0	0	0
		6940618	C	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/20	2,702,856	3,701,000	462,434
		6940619	C	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/20	40,950	103,000	58,279
		6940620	C	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/20	1,937	206,000	202,896
		6940697	C	P062000	DE-SC0019345	Tisdale /William	04/01/19	08/31/20	5,019	10,660	4,533
		6940744	C	P243020	DE-SC0015566	Temkin /Richard J	05/01/19	03/31/21	407,237	837,000	389,828
		6940873	C	P159900	DE-SC0019768	Wyslouch /Boleslaw	03/01/19	05/31/21	119,535	223,875	104,340
		6940915	C	P152000	DE-FG02-07ER46454	Bawendi /Moungi G	03/01/19	05/31/21	339,223	580,000	201,682
		6940959	C	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	12/31/19	26,550	27,985	0
		6941172	C	P152000	DE-SC0019998	Schlaue-Cohen /Gabriela S	08/01/19	07/31/21	93,970	495,667	401,697
		6941198	C	P267200	DE-FG02-07ER46474	Baldo /Marc A	07/01/19	06/30/21	200,436	400,000	199,564
		6941225	C	P159900	DE-SC0019999	Williams /Michael	10/17/18	10/31/20	416,804	793,015	376,211
		6941258	C	P159900	DE-FG02-94ER40818	Milner /Richard G	06/15/19	10/31/19	12,204	12,204	0
		6941284	C	P152000	DE-SC0019998	Willard /Adam P.	08/01/19	07/31/20	88,002	106,667	18,664
		6941285	C	P165000	DE-SC0019998	Bathe /Mark	08/01/19	07/31/20	64,169	129,667	65,498
		6941290	C	P267200	DE-FG02-07ER46474	Van Voorhis /Troy	07/01/19	06/30/21	103,749	200,000	96,251
		6941326	C	P267100	DE-SC0020042	Kong /Jing	07/01/19	06/30/21	168,227	300,000	131,773
		6941405	C	P243020	DE-SC0016154	Porkolab /Miklos	08/01/19	07/31/20	185,881	555,000	369,119

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		6941415	C	P062000	DE-SC0016214	Roman /Yuriy	06/01/19	08/31/20	138,183	150,000	11,817
		6941448	C	P243020	DE-SC0010492	Bonoli /Paul T	08/15/19	08/14/20	99,043	278,611	179,568
		6941450	C	P243020	DE-SC0010492	Bonoli /Paul T	08/15/19	08/14/20	(83,383)	0	83,383
		6941531	C	P068000	DE-SC0020148	Li /Mingda	07/01/19	06/30/21	232,116	212,090	(20,026)
		6941532	C	P417500	DE-SC0020149	Ashoori /Raymond	09/15/19	09/14/20	38,049	6,959	(31,090)
		6941576	C	P243020	DE-SC0016154	Porkolab /Miklos	08/01/19	07/31/20	2,641	35,000	32,359
		6941584	C	P066000	DE-SC0020180	Schuh /Christopher A	09/15/19	09/14/20	147,499	235,173	87,674
		6941611	C	P159900	DE-SC0020181	Formaggio /Joseph A	08/01/19	07/31/21	74,581	470,000	395,419
		6941632	C	P243020	DE-SC0014264	Marmar /Earl S	11/01/17	08/31/20	157,592	750,000	592,408
		6941635	C	P159900	DE-SC0019999	Williams /Michael	10/17/18	10/31/20	0	3,985	3,985
		6941636	C	P159900	DE-SC0019768	Wyslouch /Boleslaw	03/01/19	05/31/21	0	1,125	1,125
		6941642	C	P243020	DE-SC0020264	Gomes Loureiro /Nuno F	09/01/19	08/31/20	68,720	472,124	403,404
		6941643	C	P159900	DE-SC0020240	Hen /Or	10/15/18	10/31/20	279,284	339,086	59,802
		6941646	C	P159900	DE-SC0020265	Hen /Or	09/01/19	08/31/20	16,343	150,000	133,657
		6941674	C	P159900	DE-SC0020240	Hen /Or	10/15/18	10/31/20	597,118	700,000	102,882
		6941703	C	P069850	DE-SC0020149	Ashoori /Raymond	09/15/19	09/14/20	83,152	409,853	326,701
		6941704	C	P069850	DE-SC0020149	Jarillo-Herrero /Pablo	09/15/19	09/14/20	21,584	123,330	101,746
		6941705	C	P069850	DE-SC0020149	Gedik /Nuh	09/15/19	09/14/20	81,405	236,446	155,041
		6941706	C	P069850	DE-SC0020149	Checkelsky /Joseph	09/15/19	09/14/20	118,917	161,453	42,536
		6941707	C	P069850	DE-SC0020149	Fu /Liang	09/15/19	09/14/20	110,097	138,919	28,822
		6941730	C	P159900	DE-FG02-94ER40818	Milner /Richard G	11/01/18	10/31/20	1,615,188	1,942,559	327,372
		6941734	C	P063007	DE-SC0018357	Juanes /Ruben	09/01/19	07/31/20	16,929	61,300	44,371
		6941739	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	172,338	233,207	60,869
		6941744	C	P243020	DE-SC0014264	White /Anne E.	09/01/19	08/31/20	7,570	695,570	688,000
		6941745	C	P243020	DE-SC0014264	Wright /John C	09/01/19	08/31/20	44,617	100,000	55,383
		6941746	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/19	08/31/20	0	200,000	200,000
		6941789	C	P243020	DE-SC0020327	Marmar /Earl S	09/01/19	08/31/20	376,347	631,205	254,858
		6941791	C	P159900	DE-FG02-94ER40818	Milner /Richard G	08/01/19	10/31/20	36,573	60,000	23,427
		6941810	C	P159900	DE-FG02-94ER40818	Milner /Richard G	08/01/19	10/31/20	0	10,345	10,345
		6941823	C	P243020	DE-SC0020327	Marmar /Earl S	09/01/19	08/31/20	16,804	50,000	33,196
		6941891	C	P159900	DE-FG02-94ER40818	Milner /Richard G	08/01/19	01/31/20	0	6,796	6,796
		6941893	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	487,672	0	(487,672)
		6941894	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	57,105	0	(57,105)
		6941895	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	439,377	0	(439,377)
		6941896	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	161,183	0	(161,183)
		6941897	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	31,641	0	(31,641)
		6941898	C	P159900	TBD	Wyslouch /Boleslaw	11/01/19	10/31/20	(20,502)	0	20,502
		6941899	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	21,850	0	(21,850)
		6941900	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	122,495	0	(122,495)
		6941903	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	437,429	0	(437,429)
		6941904	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	37,837	0	(37,837)
		6941905	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	34,766	0	(34,766)
		6941906	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	92,705	0	(92,705)
		6941907	C	P159900	TBD	Wyslouch /Boleslaw	11/01/19	10/31/20	(5,553)	0	5,553
		6941908	C	P159900	TBD	Ting /Samuel	11/01/19	10/31/20	124,330	0	(124,330)

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		6941909	C	P159900	DE-SC0011091	Wyslouch /Boleslaw	11/01/19	10/31/20	0	0	0
		6941910	C	P159900	DE-SC0011091	Formaggio /Joseph A	11/01/19	10/31/20	104,138	437,000	332,862
		6941911	C	P159900	DE-SC0011091	Formaggio /Joseph A	11/01/19	10/31/20	45,871	58,000	12,129
		6941916	C	P159900	DE-SC0020240	Hen /Or	11/01/18	04/30/20	40,489	40,489	0
		6941921	C	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/19	10/31/20	16,840	0	(16,840)
		6941922	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/19	10/31/20	349,279	623,824	274,545
		6941923	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/19	10/31/20	65,260	117,813	52,553
		6941924	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/19	10/31/20	26,109	138,595	112,486
		6941925	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/19	10/31/20	291,054	304,053	12,999
		6941926	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/19	10/31/20	(24,959)	0	24,959
		6941928	C	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/19	10/31/20	(6,541)	5,715	12,256
		6941929	C	P159900	DE-SC0011088	Roland /Gunter M	11/01/19	10/31/20	389,001	410,000	20,999
		6941968	C	P159900	DE-SC0020240	Hen /Or	10/01/19	10/31/20	0	5,425	5,425
		6942019	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/19	10/31/20	0	0	0
		6942020	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/19	10/31/20	489,397	500,000	10,603
		6942021	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/19	10/31/20	56,511	0	(56,511)
		6942022	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/19	10/31/20	(11,296)	0	11,296
		6942238	C	P159400	DE-FG02-94ER61937	Prinn /Ronald G	12/15/19	12/14/20	323,253	700,000	376,747
		6942610	C	P159900	DE-FG02-94ER40818	Milner /Richard G	10/01/19	10/31/20	4,545	49,300	44,755
		6942752	C	P159900	DE-SC0011939	Paus /Christoph M. E.	04/01/20	09/30/20	140,413	0	(140,413)
		6942753	C	P159900	DE-SC0011939	Paus /Christoph M. E.	04/01/20	09/30/20	102,658	0	(102,658)
		6942778	C	P417500	DE-SC0020149	Ashoori /Raymond	09/15/19	07/31/20	0	17,300	17,300
		6942923	C	P159900	DE-SC0012567	Wyslouch /Boleslaw	04/01/20	03/31/21	135,462	0	(135,462)
		6942924	C	P159900	DE-SC0012567	Taylor /Washington	04/01/20	03/31/21	71,938	0	(71,938)
		6943077	C	P243020	DE-SC0014264	Marmar /Earl S	10/01/19	08/31/20	445,586	900,000	454,414
		6943083	C	P417500	DE-SC0002633	Van Vliet /Krystyn J	04/20/20	07/14/21	791	8,500	7,709
		6943125	C	P417500	DE-SC0020149	Ashoori /Raymond	04/01/20	09/14/20	2,948	5,740	2,792
		6943401	C	P152000	DE-SC0018097	Schlau-Cohen /Gabriela S	09/01/20	08/31/21	0	220,000	220,000
		9173500	C	P264000	DE-AC02-76ET37241	Bernard /John A	01/01/96	12/31/08	0	85,613	0
		9279200	C	P264000	DE-AC02-76ET37241	Bernard /John A	09/01/82	12/31/95	0	12,947	0
	000207 DOE - Ames La	6940042	C	P417500	SC-19-487	Jarillo-Herrero /Pablo	11/14/18	07/31/20	163,920	275,072	41,748
	002198 Battelle-Pacific Northwest Laboratories	6939625	C	P152000	CONTRACT# 428422	Surendranath /Yogesh	10/03/18	09/30/20	241,163	430,000	75,617
		6942932	C	P267200	CONTRACT# 499232	Oliver /William D	03/12/20	07/31/21	8,445	45,000	36,555
		6943054	C	P267200	CONTRACT# 514484	Shao-Horn /Yang	03/23/20	09/30/21	8,492	80,000	71,508
		6943127	C	P159400	CONTRACT #: 517296	Morris /Jennifer Faye	04/24/20	01/21/21	11,451	80,000	68,549
		6943241	C	P068000	CONTRACT NO. 511287	Buongiorno /Jacopo	03/17/20	09/30/20	18,598	50,000	31,402
	002800 Fermilab	6926005	C	P159900	PO-606667	Klute /Markus	01/01/12	04/30/19	(0)	346,107	(0)
		6935039	C	P159900	PO #629763	Klute /Markus	01/01/17	05/31/19	(50)	292,119	4,103
		6939262	C	P159900	PO NO. 646969	Harris /Philip Coleman	10/01/17	09/30/19	(4,284)	9,000	(90)
		6940653	C	P159900	656002	Paus /Christoph M. E.	05/01/19	07/31/21	241,414	441,610	184,398
		6940656	C	P159900	SUB NO. 656089	Klute /Markus	04/17/19	04/30/21	27,903	49,053	21,150
		6940661	C	P159900	SUBCONTRACT NO. 6557	Klute /Markus	05/01/19	04/30/21	36,563	51,843	8,431
		6941446	C	P159900	659688	Harris /Philip Coleman	10/01/18	07/31/20	5,996	9,000	3,004
	003165 Honeywell	6942696	C	P065004	N000343525	Hart /Anastasios John	02/21/20	08/31/20	104,892	185,228	80,335

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	004205 Radiation Monit	6941874	C	P264000	SUBCONTRACT C20-02	Khaykovich /Boris	10/25/19	05/27/21	102,253	240,000	137,747
	004298 Sandia National	6938128	C	P061097	AGREEMENT 1340868 / P	Marzouk /Youssef M	12/14/17	09/30/20	65,214	173,400	93,794
	004488 Tanner Research	6941794	C	P243020	DE-SC0019905	Takayasu /Makoto	07/01/19	03/31/20	50,222	50,000	(222)
	005173 Arizona State U	6936487	C	P165000	17-032	Bathe /Mark	06/15/17	06/14/19	10,061	213,353	(0)
	005333 Brown Universit	6939921	C	P152000	00001292	Willard /Adam P.	09/15/18	09/14/19	22,235	100,185	29,882
		6941848	C	P152000	00001292	Willard /Adam P.	09/15/19	09/14/20	128,918	129,105	187
	005357 General Atomic	6937870	C	P243020	PO# 4500071909	Bonoli /Paul T	09/01/17	08/31/20	132,819	450,000	44,797
	005408 California Instit	6940104	C	P065005	S399795	Lloyd /Seth	09/01/18	08/31/20	77,055	78,750	149
	005744 Composite Technology Development, Inc.	6934564	C	P243020	16779	Bromberg /Leslie	06/13/16	01/30/20	43,630	394,939	(0)
		6942443	C	P243020	18526	Bromberg /Leslie	07/01/19	06/30/20	45,057	45,000	(57)
	005935 Georgia Institut	6941850	C	P066000	AWD-102458-G1	Ross /Frances Mary	09/01/18	08/31/19	23,750	23,750	0
	006120 Harvard University	6920743	C	P069850	133512-5028381	Jarillo-Herrero /Pablo	09/15/09	07/14/20	418,093	2,233,738	(64,391)
		6923937	C	P069850	133512-02	Jarillo-Herrero /Pablo	09/15/09	07/14/14	0	18,512	0
		6939917	C	P417500	AGREEMENT NO. 134126-	Jarillo-Herrero /Pablo	09/15/18	09/14/20	0	0	0
		6939918	C	P417500	AGREEMENT NO. 134126-	Jarillo-Herrero /Pablo	09/15/18	09/14/20	157,885	425,687	161,999
		6940259	C	P069850	AGREEMENT NO. 134126-	Checkelsky /Joseph	09/15/18	09/14/20	227,535	396,337	49,798
		6940505	C	P069850	AGREEMENT NO. 134126-	Checkelsky /Joseph	09/15/18	08/31/20	9,848	29,350	10,841
	006453 Lawrence Berkeley National Laboratory	6931128	C	P069201	SUBCONTRACT # 720498:	Alm /Eric J	10/01/14	09/30/20	176,040	1,937,966	95,740
		6931129	C	P069200	SUBCONTRACT NUMBER	Alm /Eric J	10/01/14	09/30/15	0	149,999	0
		6940535	C	P069201	7457914	Alm /Eric J	06/13/19	09/30/20	98,723	100,999	2,276
		6941260	C	P267200	7453199	Oliver /William D	08/01/19	08/31/21	94,966	200,000	105,034
	006688 UChicago Argonne, LLC	6927797	C	P066000	SUBCONTRACT NO. 3F-3	Chiang /Yet-Ming	04/30/13	09/30/18	(0)	2,243,607	0
		6934260	C	P264000	WO 2J-30101-0008A	Hu /Lin-Wen	06/15/16	01/31/20	194,611	977,088	349
		6935562	C	P264000	WO 2J-30101-0008A	Hu /Lin-Wen	01/01/17	05/12/17	0	15,739	0
		6937302	C	P062000	SUBCONTRACT NO. 7F-30	Green /William H	07/18/17	07/17/20	95,078	216,000	(2,092)
		6939569	C	P066000	8F-30212	Chiang /Yet-Ming	10/01/18	06/30/20	0	0	0
		6939720	C	P264000	WO 2J-30101-0009A	Hu /Lin-Wen	09/27/18	07/31/20	182,914	336,563	14,350
		6939746	C	P066000	8F-30212	Chiang /Yet-Ming	10/01/18	06/30/20	470,708	813,688	202,119
		6939747	C	P066000	8F-30212	Van Vliet /Krystyn J	10/01/18	06/30/20	33,718	232,966	187,446
		6939748	C	P066000	8F-30212	Macfarlane /Robert J	10/01/18	06/30/20	245,388	304,933	(9,832)
		6939749	C	P062000	8F-30212	Brushett /Fikile R	10/01/18	06/30/20	181,267	323,571	(110,210)
		6941173	C	P061094	9F-60132	Barrett /Steven R. H.	01/01/19	09/30/19	53,543	74,997	21,454
		6941591	C	P066000	8F-30212	Chiang /Yet-Ming	09/01/19	06/30/20	23,667	24,054	387
		6941696	C	P264000	9F-60227	Khaykovich /Boris	09/27/19	07/31/21	11,241	50,045	38,804
		6941829	C	P264000	WO 2J-30101-0009A	Hu /Lin-Wen	10/14/19	02/28/20	14,437	14,437	0
		6941867	C	P267200	NO. 9F-60231	Shao-Horn /Yang	07/01/19	06/30/22	104,904	220,000	115,096
		6942999	C	P066000	8F-30212	Lebeau /James M	04/01/20	06/30/20	22,503	70,000	47,497
	006788 National Renewable Energy Laboratory	6930867	C	P065004	UGA-0-41029-16/ER39200	Kolpak /Alexie M	10/02/14	09/15/18	0	608,694	(0)
		6930868	C	P065004	UGA-0-41029-16/ER39200	Buonassisi /Anthony	10/02/14	09/30/19	3,010	783,084	109,979
		6933524	C	P065004	UGA-0-41029-18/ST6P151	Buonassisi /Anthony	12/01/15	09/30/18	0	300,000	1,397
	006875 Northeastern U	6939896	C	P417500	503036-78052	Fu /Liang	05/15/18	09/14/20	164,954	325,751	26,072
	007070 Pennsylvania S	6940065	C	P243021	5952-MIT-DOE-1090	Hong /Mei	08/01/18	07/31/20	209,722	330,000	63,850

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	007150 Princeton Univer	6940086	C	P152000	SUB0000289	Schlau-Cohen /Gabriela S	08/01/18	10/31/20	163,555	300,000	91,328
	007380 Stanford Univer	6943245	C	P267111	62267053-151086	Englund /Dirk R.	09/15/19	09/14/20	0	100,000	100,000
	007385 State University of New York	6930984	C	P066000	68799	Chiang /Yet-Ming	08/01/14	07/31/20	79,017	517,513	24,525
		6931213	C	P066000	68799	Chiang /Yet-Ming	08/01/14	07/31/19	0	647,901	0
	007405 Southern Califo	6943431	C	P153000	131471829	Nakata /Norimitsu	02/01/20	07/31/20	0	32,000	32,000
	007520 University of Alabama-Birmingham	6937651	C	P267600	000517656-SC001	Hong /Kyung-Han	09/25/17	09/24/18	0	85,000	(22)
		6938714	C	P267600	000517656-SC001	Hong /Kyung-Han	01/01/18	09/24/19	0	15,000	(207)
		6939869	C	P267600	000517656-SC001	Hong /Kyung-Han	09/24/18	09/24/19	50,973	100,000	(7,198)
		6942567	C	P267600	000517656-SC001	Hong /Kyung-Han	09/25/19	09/24/20	74,471	100,000	25,529
	007554 Los Alamos Nat	6934723	C	P065005	SUBCONTRACT #399489	Turitsyn /Konstantin	09/08/16	09/30/19	18,163	331,776	(0)
	007618 University of Cc	6937968	C	P069201	SUBAWARD#: 1555955 PC	Voigt /Christopher A.	09/15/17	09/14/20	521,971	1,231,638	(19,877)
	007622 Lawrence Livermore National Laboratory	6926036	C	P243020	B600100	Petrasso /Richard D	07/01/12	06/30/15	0	1,473,537	0
		6938345	C	P065004	B627203	Buie /Cullen	04/20/18	09/30/22	80,903	239,304	53,088
	007637 University of Texas - Austin	6938299	C	P243020	UTA18-000276	Ernst /Darin R	02/01/18	01/31/21	286,686	413,000	125,355
		6940002	C	P061097	UTA18-001328	Marzouk /Youssef M	09/15/18	09/14/20	145,866	344,886	178,274
	007639 University of W.	6937599	C	P069850	UWSC10120	Gedik /Nuh	08/15/17	08/14/20	147,159	600,000	127,274
	007841 Worcester Poly	6942797	C	P062000	10634-GR	Roman /Yuriy	01/01/19	07/31/21	118,320	320,350	202,030
	009001 Lincoln Laborat	6942991	C	P267110	PO# 7000477965	O'Brien /Kevin	01/01/20	12/31/23	69,094	83,500	14,406
	010056 Brookhaven National Laboratory	6934084	C	P159900	312673	Rajagopal /Krishna	05/09/16	02/28/21	58,129	118,000	(127)
		6934181	C	P159900	313021	Detmold /William	05/23/16	09/30/20	17,685	229,000	673
		6938641	C	P066000	NO. 347538	Beach /Geoffrey Stephen	05/24/18	04/30/20	36,663	103,605	5,110
		6941332	C	P159900	368338	Wyslouch /Boleslaw	08/05/19	09/30/20	233,503	234,854	1,351
		6941361	C	P267111	367289	Berggren /Karl K	08/14/19	09/30/19	50,000	50,000	(0)
	010150 Princeton Plasma Physics Laboratory	6943088	C	P159900	SUBCONTRACT NO. 3801	Wyslouch /Boleslaw	05/04/20	12/31/21	102,403	840,698	738,295
		6933435	C	P243020	S014796-H	White /Anne E.	02/04/16	12/31/19	0	379,360	(0)
		6937617	C	P243020	S015850-H	Greenwald /Martin J	11/21/17	09/30/19	8,498	62,809	0
	010745 Plasma Processes, LLC	6938695	C	P243020	DE-SC0015931 / PO# 1014	Wukitch /Stephen James	07/31/17	07/30/20	86,726	200,546	43,348
		6940880	C	P068000	PO 1015-002-JK-120618	Shirvan /Koroush	12/06/18	08/01/20	107,866	120,000	11,166
	011718 Faraday Techn	6936670	C	P062000	SC 6305-1031	Brushett /Fikile R	06/30/17	04/01/20	13,470	300,000	(5,136)
	012200 Free Form Fibe	6938183	C	P068000	DE-SC0011954	Shirvan /Koroush	07/31/17	07/30/19	7,649	274,372	(0)
	102126 Electroformed Nickel, Inc.	6936346	C	P264000	AGREEMENT DATED 04/1	Moncton /David E	02/21/17	11/20/17	0	44,400	1
		6939275	C	P264000	STTR AGREEMENT 05/21/	Khaykovich /Boris	05/21/18	02/19/21	13,875	179,543	53,338
	102152 Technology Hol	6942038	C	P065004	AGMT DTD 7/1/19	Karnik /Rohit	07/01/19	03/31/20	59,997	60,000	3
	103734 Adelphi Techno	6942781	C	P264000	AGMT EFFECTIVE 1/24/20	Khaykovich /Boris	02/01/20	11/17/20	36,343	84,990	48,647
	105786 Brookhaven Tex	6941954	C	P243020	AGMT. DTD. 09/18/2019	Brisson /John G	08/19/19	08/18/21	16,739	190,000	173,261
	Total by Primary Sponsor								47,158,343	450,641,769	24,075,180
000204 DOE - Boston	003388 Knolls Atomic P	6937158	C	P068000	PO 101633	Buongiorno /Jacopo	08/01/15	05/30/17	(3,094)	15,562	0
	106965 Fluor Marine Pr	6931456	C	P068000	PO 101633	Buongiorno /Jacopo	01/29/15	05/31/19	1,200	866,322	(0)
	Total by Primary Sponsor								(1,895)	881,884	(0)
000209 DOE/NNSA/ALB	000209 DOE/NNSA/ALB	6932619	C	P243020	DE-NA0002949	Petrasso /Richard D	10/01/15	09/30/19	9,340	1,433,440	(0)
		6937263	C	P243020	DE-NA0003539	Petrasso /Richard D	09/22/17	09/21/19	8,938	425,748	(0)
		6940304	C	P243020	DE-NA0003868	Petrasso /Richard D	01/01/19	03/31/21	1,483,326	3,482,919	1,352,854

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		6941057	C	P243020	DE-NA0003868	Petrasso /Richard D	01/01/19	03/31/21	2,225	17,254	13,080
		6941578	C	P243020	DE-NA0003938	Petrasso /Richard D	09/03/19	09/02/20	152,238	215,000	62,762
		6941852	C	P243020	DE-NA0003868	Petrasso /Richard D	01/01/19	03/31/21	115,395	499,827	384,433
	003511 UT- Battelle LLC	6923222	C	P243020	SUBCONTRACT NO. 4000	Temkin /Richard J	12/31/10	09/30/19	32,027	1,100,000	(0)
	004298 Sandia National Laboratories	6941762	C	P061090	PO# 2059856/1340868	Lozano /Paulo C	09/01/19	01/31/21	31,724	75,000	43,276
		6942032	C	P243020	2080471	Frenje /Johan A	10/07/19	09/30/20	55,305	10,000	(45,305)
		6942877	C	P067952	PURCHASE ORDER: 2140	Chlipala /Adam	02/27/20	02/26/21	5,489	116,775	111,286
		6943065	C	P065004	AGREEMENT# 1340868/PC	Hadjiconstantinou /Nicolas	10/01/20	02/18/21	0	69,000	69,000
	005935 Georgia Institute of Technology	6942141	C	P067952	AWD-000372-G2	Fisher /John W	07/01/19	09/30/20	37,966	150,000	112,034
		6942791	C	P067952	AWD-000372-G2	Short /Michael P	10/01/19	09/30/20	74,028	140,000	65,972
		6942792	C	P067952	AWD-000372-G2	How /Jonathan P	10/01/19	09/30/20	4,989	150,000	145,011
	006688 UChicago Argonne	6943402	C	P264000	WO 2J-30101-0010A	Hu /Lin-Wen	02/01/20	06/01/20	84,647	50,000	(34,647)
	007554 Los Alamos National Security, L.L.C	6940426	C	P068000	SUBCONTRACT 489270	Forget /Benoit Robert Yves	01/28/19	12/31/20	83,376	148,310	29,040
		6940672	C	P067952	SUBCONTRACT NO. 5317	Leiserson /Charles E	05/01/19	01/31/22	106,492	428,554	322,062
	007622 Lawrence Livermore National Security, LLC	6933555	C	P243020	B615534	Petrasso /Richard D	02/22/16	02/28/19	(31)	1,328,556	(0)
		6940134	C	P243020	SUBCONTRACT B631595	Petrasso /Richard D	01/07/19	10/31/19	233,978	501,526	629
		6940158	C	P152000	B631377	Swager /Timothy M	01/11/19	12/31/21	218,280	475,000	39,906
		6942385	C	P243020	B635598	Frenje /Johan A	01/08/20	09/30/20	68,404	147,621	79,217
		6943194	C	P066000	B640614	Schuh /Christopher A	05/01/20	04/30/21	16,583	150,000	133,417
	007641 University of Michigan	6931203	C	P068000	3003222367	Danagoulain /Areg	09/01/14	08/31/20	230,833	2,400,000	4,407
		6931359	C	P067952	3003222367	Fisher /John W	09/01/14	08/31/20	35,704	880,000	6,402
	007680 University of Rochester	6940700	C	P243020	417532G/ UR FAO GR5105	Petrasso /Richard D	10/01/18	09/30/20	558,262	1,034,150	85,142
	010056 Brookhaven National Laboratory	6938035	C	P159900	NO. 343173	Milner /Richard G	02/01/18	10/31/19	32,454	131,964	73
	Total by Primary Sponsor								3,681,971	15,560,644	2,980,051
000212 DOE - Idaho Falls	000212 DOE - Idaho Falls	6932938	C	P068000	DE-NE0008413	Short /Michael P	07/02/15	06/30/19	63,053	794,452	0
		6934835	C	P068000	DE-NE0008578	Smith /Kord S.	09/01/16	09/30/20	144,004	640,000	26,352
		6937154	C	P264000	DE-NE0008285-001	Hu /Lin-Wen	09/01/17	09/30/18	0	38,275	0
		6937791	C	P068000	DE-NE0008693	Bucci /Matteo	10/01/17	09/30/20	210,808	799,906	207,736
		6939578	C	P264000	DE-NE0008728	Kohse /Gordon E	10/01/18	09/30/19	0	631,289	631,289
		6939649	C	P068000	DE-NE0008827	Li /Ju	10/01/18	09/30/21	207,999	469,321	(9,961)
		6939821	C	P264000	DE-NE0008751	Khaykovich /Boris	10/01/18	09/30/21	270,207	781,857	392,370
		6939880	C	P068000	DE-NE0008752	Shirvan /Korosh	10/01/18	09/30/21	240,702	669,203	296,073
		6939898	C	P264000	DE-NE0008734	Shirvan /Korosh	10/01/18	09/30/19	94,477	243,816	0
		6941758	C	P264000	DE-NE0008872	Sun /Kaichao	10/01/19	09/30/22	49,961	385,000	335,039
	005140 Brookhaven Science Associates, LLC	6941783	C	P068000	DE-NE0008873	Golay /Michael W	10/01/19	09/30/22	113,886	700,000	586,114
		6941785	C	P068000	DE-NE0008871	Short /Michael P	10/01/19	09/30/22	163,728	762,823	599,095
		6939706	C	P060600	NO. 345800	Shulaker /Max M.	07/15/18	02/29/20	45,084	147,652	(0)
		6931211	C	P068000	RELEASE 00003/CONTRACT	Forsberg /Charles W	10/01/14	09/30/20	0	0	0
		6931265	C	P068000	RELEASE 00003/CONTRACT	Forsberg /Charles W	10/01/14	09/30/16	0	74,672	(0)
		6933487	C	P068000	RELEASE 00003/CONTRACT	Forsberg /Charles W	10/01/15	09/30/16	0	165,000	0
		6935703	C	P068000	RELEASE 00003/CONTRACT	Forsberg /Charles W	10/01/16	09/30/17	0	133,025	0
		6936498	C	P068000	CONTRACT 112583 - RELEASE	Smith /Kord S.	10/04/16	09/30/20	34,846	150,000	232
		6937503	C	P264000	RELEASE 16 / 00112583	Hu /Lin-Wen	09/07/17	09/30/19	(320)	262,584	(8,500)
		6937536	C	P264000	RELEASE 14 BMC0011258	Hu /Lin-Wen	10/01/17	09/30/18	(614)	159,074	614

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		6938386	C	P068000	REL 17 BMC 112583	Forget /Benoit Robert Yves	03/21/18	09/30/18	0	41,883	(0)
		6939000	C	P264000	RELEASE 18 / BMC 11258	Hu /Lin-Wen	05/17/18	09/30/20	177,201	331,519	68,300
		6939695	C	P068000	REL 17 BMC 112583	Forget /Benoit Robert Yves	10/01/18	09/30/19	33,528	105,200	(7)
		6939943	C	P068000	RELEASE 19 / BMC 11258	Li /Ju	06/25/18	09/30/20	46,794	250,000	71,476
		6940384	C	P264000	RELEASE 20 /BMC 011258	Carpenter /David Michael	12/20/18	12/20/20	40,326	150,000	83,214
		6941059	C	P068000	RELEASE 21/BMC 011258	Short /Michael P	02/07/19	09/30/19	98,079	98,000	(79)
		6941423	C	P068000	CONTRACT 112583 - RELI	Bucci /Matteo	06/01/19	09/30/20	74,753	74,647	(106)
		6942013	C	P402410	RELEASE 22 /BMC 011258	Lienhard /John H	10/21/19	09/30/20	79,002	125,000	45,998
		6942410	C	P068000	RELEASE 21/BMC 011258	Short /Michael P	10/01/19	09/30/20	50,120	120,000	69,880
	6942785	C	P068000	REL 17 BMC 112583	Forget /Benoit Robert Yves	10/01/19	09/30/20	67,736	107,400	39,664	
	006953 Ohio State Univ	6936056	C	P068000	60058746	Short /Michael P	10/01/16	09/30/20	18,050	200,000	25,060
	007591 University of M	6938248	C	P068000	S51900000036928	Forsberg /Charles W	10/01/17	09/30/19	1,963	60,000	19,209
	007635 University of Ne	6938242	C	P068000	327075-875J	Short /Michael P	10/01/17	09/30/20	42,339	250,000	1,389
	007655 University of Wi	6935633	C	P068000	704K303	Baglietto /Emilio	10/01/16	09/30/19	(8,095)	194,574	0
	007676 University of Ca	6937842	C	P068000	SUB#00009635/PO#BB009	Forsberg /Charles W	10/01/17	09/30/20	116,368	350,000	(2,560)
Total by Primary Sponsor									2,475,985	10,466,172	3,477,889
000213 DOE - Oa Ridge	003511 UT- Battelle LLC	6933020	C	P068000	4000102892	Smith /Kord S.	10/01/15	06/30/20	0	0	0
		6933205	C	P068000	4000102892	Forget /Benoit Robert Yves	10/01/15	09/30/18	0	197,041	(0)
		6933207	C	P068000	4000102892	Yildiz /Bilge	10/01/15	09/30/19	19,289	378,069	(0)
		6933208	C	P068000	4000102892	Buongiorno /Jacopo	10/01/15	09/30/17	0	172,288	0
		6933209	C	P068000	4000102892	Forget /Benoit Robert Yves	10/01/15	09/30/19	46,124	995,337	0
		6933210	C	P068000	4000102892	Smith /Kord S.	10/01/15	09/30/17	0	1,566	0
		6933211	C	P068000	4000102892	Smith /Kord S.	10/01/15	09/30/19	0	72,254	0
		6933212	C	P068000	4000102892	Kamrin /Kenneth N	10/01/15	09/30/18	0	258,593	(0)
		6933213	C	P068000	4000102892	Smith /Kord S.	10/01/15	09/30/19	13,808	212,747	0
		6933214	C	P068000	4000102892	Baglietto /Emilio	10/01/15	06/30/20	601,885	2,723,832	(7)
		6933257	C	P068000	4000102892	Short /Michael P	10/01/15	09/30/19	20,585	462,949	(0)
		6935411	C	P068000	4000102892	Bucci /Matteo	10/01/16	09/30/19	33,211	481,486	0
		6935412	C	P068000	4000102892	Shirvan /Korosh	01/01/17	09/30/19	10,402	200,024	(0)
		6936739	C	P068000	4000155797	Forget /Benoit Robert Yves	10/01/16	09/30/22	509,550	1,700,000	110,098
		6937665	C	P062000	4000158704	Roman /Yuriy	10/23/17	09/30/20	237,855	841,406	147,670
		6937706	C	P062000	4000158704	Roman /Yuriy	12/01/17	09/30/19	0	38,594	0
		6938156	C	P061097	4000160305	Marzouk /Youssef M	01/29/18	06/30/21	88,933	501,000	157,116
		6940671	C	P068000	4000169386	Forget /Benoit Robert Yves	05/01/19	04/30/22	75,435	80,000	(84)
	6941701	C	P068000	4000174269	Bucci /Matteo	10/01/19	09/30/20	24,378	45,000	20,622	
Total by Primary Sponsor									1,681,455	9,362,185	435,417
000214 DOE - Las Vegas	105506 Mission Support and Test Services LLC	6942282	C	P061097	231648	Marzouk /Youssef M	10/22/19	09/30/20	0	0	0
		6942283	C	P061097	231648	Marzouk /Youssef M	10/22/19	09/30/20	71,195	100,000	28,805
	Total by Primary Sponsor									71,195	100,000
000216 DOE-Golden Colorado	000216 DOE-Golden Colorado	6934910	C	P065004	DE-EE0007535	Peters /Ian Marius	08/01/16	01/31/20	56,019	1,125,003	53
		6935036	C	P062000	DE-EE0007531	Stephanopoulos /Gregory	09/08/16	06/30/20	348,432	1,500,000	117,591

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000220 DOE-NETL		6935708	C	P320000	DE-EE0007662	Trancik /Jessica	12/11/16	06/30/20	188,812	1,089,140	(1)
		6936826	C	P062000	DE-EE0007982	Green /William H	01/15/17	12/31/20	142,953	520,652	17,081
		6937224	C	P062000	DE-EE0007982	Green /William H	01/15/17	12/31/20	190,691	372,775	49,749
		6939224	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/31/20	554,370	1,849,573	606,000
		6939770	C	P065004	DE-EE0008381	Henry /Asegun S	05/31/18	12/31/20	1,133,734	1,892,185	295,941
		6939776	C	P065004	DE-EE0008375	Henry /Asegun S	05/15/18	09/30/20	798,254	1,768,424	297,157
		6940389	C	P267500	DE-EE0008558	Kim /Jeehwan	03/01/19	02/28/21	225,222	460,484	185,462
		6940708	C	P267500	DE-EE0008558	Kim /Jeehwan	03/01/19	02/28/21	129,673	516,999	387,326
		6940971	C	P069850	DE-EE0008316	Allanore /Antoine	05/01/19	07/31/20	3,971	6,683	2,428
		6940972	C	P069850	DE-EE0008316	Allanore /Antoine	05/01/19	07/31/20	1,869	6,358	1,390
		6942119	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/30/20	1,160	6,024	4,864
		6942120	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/30/20	5,988	5,903	(85)
		6942121	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/30/20	4,647	5,042	395
		6942156	C	P069850	DE-EE0008316	Allanore /Antoine	11/01/19	03/31/20	6,044	6,044	0
		6942689	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	04/30/20	8,313	8,313	0
		6942926	C	P066000	DE-EE0008830	Tasan /Cemal	10/01/19	02/28/23	0	0	0
		6943055	C	P066000	DE-EE0008830	Tasan /Cemal	10/01/19	02/28/23	64,309	576,239	511,930
		6943056	C	P066000	DE-EE0008830	Li /Ju	10/01/19	02/28/23	68,440	192,111	123,671
		6943057	C	P066000	DE-EE0008830	Tasan /Cemal	10/01/19	02/28/23	0	231,650	231,650
	003165 Honeywell	6933853	C	P065004	N000189586	Hart /Anastasios John	11/19/15	09/30/18	1,173	297,575	(129,167)
		6934173	C	P065004	N000189586	Hart /Anastasios John	04/01/16	09/30/18	(3,701)	192,425	(83,805)
		6935787	C	P065004	N000189586, LINE 1, MOD	Hart /Anastasios John	11/19/15	09/30/18	0	85,000	23,731
		6937107	C	P065004	N000189586	Hart /Anastasios John	11/19/15	09/30/18	0	149,744	149,744
		6940342	C	P065004	PO N000302644	Hart /Anastasios John	02/11/19	08/15/19	15,052	70,001	(233)
	003511 UT- Battelle LL	6937872	C	P065004	4000159358	Hart /Anastasios John	12/04/17	05/31/20	148,701	106,404	(253,050)
		6939467	C	P065004	4000164925	Hart /Anastasios John	09/11/18	08/31/21	70,718	52,500	(104,461)
		6942828	C	P065004	4000159358	Hart /Anastasios John	12/01/19	04/15/20	11,130	11,096	(33)
	006788 National Renewable Energy Laboratory	6930865	C	P065004	UGA-0-41029-16/ER39200	Buonassisi /Anthony	10/02/14	09/30/19	0	212,604	0
		6933769	C	P066000	UGA-0-41029-16/ER39200	Ceder /Gerbrand	02/01/16	09/06/16	0	1,618	(0)
		6942931	C	P062000	UGA-0-41029-22	Roman /Yuriy	11/26/19	11/25/20	24,321	155,352	131,030
	007794 Washington State	6938562	C	P065004	130616-G003845	Annaswamy /Anuradha M	10/02/17	10/01/22	112,715	230,000	2,969
	101602 Superconductor	6937244	C	P243020	AGMT. DTD. 07/01/2017	Bromberg /Leslie	07/01/17	09/30/18	0	111,200	6,338
	Total by Primary Sponsor								4,313,010	13,815,122	2,575,666
000220 DOE-NETL	000220 DOE-NETL	6935463	C	P069850	DE-EE0007810	Chiang /Yet-Ming	10/01/16	04/03/20	330,027	1,250,000	40,094
		6936995	C	P062000	DE-FE0026489	Hatton /Trevor Alan	06/02/17	12/31/20	492,573	1,154,990	136,168
		6939182	C	P417500	DE-FE0031668	Tuller /Harry L	08/17/18	08/16/20	221,683	500,000	212,392
		6939339	C	P062000	DE-FE0026489	Hatton /Trevor Alan	08/01/17	12/31/19	35	47,064	0
		6939447	C	P065005	DE-FE0031677	Wang /Evelyn	10/01/18	09/30/21	288,136	750,000	303,719
	003511 UT- Battelle LL	6942741	C	P267111	4000177261	Grossman /Jeffrey C.	01/27/20	12/31/20	164,489	135,000	(29,489)
	007545 University of Illinois-Urbana Champaign	6935555	C	P121110	078620-16205 (GRANT C	Madnick /Stuart E	10/01/15	09/30/20	0	969,000	0
		6937707	C	P121110	078620-16205	Madnick /Stuart E	10/01/17	09/30/18	0	643,721	0
		6939594	C	P121110	078620-16205 (GRANT C	Madnick /Stuart E	10/01/18	09/30/19	106,898	700,000	(0)
		6942527	C	P121110	078620-16205 (GRANT C	Madnick /Stuart E	10/01/19	09/30/20	79,453	135,000	55,547
		6942528	C	P121110	078620-16205 (GRANT C	Madnick /Stuart E	10/01/19	09/30/20	110,089	135,000	24,911

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		6942529	C	P121110	078620-16205 (GRANT C	Madnick /Stuart E	10/01/19	09/30/20	115,663	135,000	19,337
	007546 University of Illi	6941114	C	P063007	092266-17209	Juanes /Ruben	10/01/18	09/30/20	139,782	160,621	20,839
	007794 Washington Sta	6938310	C	P065004	130862-G003801	Annaswamy /Anuradha M	10/01/17	06/30/21	126,204	300,000	11,761
	Total by Primary Sponsor								2,175,032	7,015,396	795,279
000221 DOE - Office of ARPA-E	000221 DOE - Office of ARPA-E	6932846	C	P066000	DE-AR0000632	Hu /Juejun	10/05/15	01/04/20	166,006	907,517	29,798
		6933059	C	P069850	DE-AR0000625	Michel /Jurgen	09/01/15	04/30/19	(347)	1,514,696	(0)
		6933334	C	P066000	DE-AR0000632	Hu /Juejun	10/05/15	01/04/20	16,510	93,482	16,141
		6935356	C	P320000	DE-AR0000713	Perez-Arriaga /Jose Ignacio	07/01/16	11/30/20	180,027	981,276	22,494
		6936686	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	10/15/20	190,088	828,966	80,244
		6936810	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	10/15/20	6,049	49,008	16,909
		6936812	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	10/15/19	42,700	313,675	583
		6936813	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	10/15/19	161,041	373,163	46,178
		6940248	C	P065004	DE-AR0001005	Henry /Asegun S	02/04/19	02/03/22	196,766	648,794	312,647
		6941406	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	11/28/20	158,674	295,598	136,924
		6941408	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	11/28/20	4,220	3,000	(1,220)
		6941409	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	11/28/20	75,250	198,635	123,385
		6941410	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	11/28/20	54,500	197,400	142,900
		6941596	C	P065005	DE-AR0001130	Wang /Evelyn	06/14/19	11/21/20	394,904	612,732	217,827
		6941854	C	P065005	DE-AR0001130	Wang /Evelyn	06/14/19	11/21/20	4,121	15,948	11,828
		6941876	C	P065004	DE-AR0001005	Henry /Asegun S	02/04/19	02/03/22	2,316	3,000	684
		6942000	C	P065005	DE-AR0001130	Wang /Evelyn	06/14/19	09/01/20	7,091	32,389	25,298
		6942055	C	P068000	DE-AR0001154	Shirvan /Koroush	10/15/19	10/14/20	42,834	81,844	39,011
		6942856	C	P031000	DE-AR0001133	Goulthorpe /Mark	03/09/20	09/08/20	38,380	686,449	648,069
		6942858	C	P031000	DE-AR0001133	Goulthorpe /Mark	03/09/20	09/08/20	0	102,960	102,960
		6943085	C	P065004	DE-AR0001005	Henry /Asegun S	02/04/19	10/31/20	98,211	98,206	(5)
		6943092	C	P065005	DE-AR0001218	Wang /Evelyn	04/03/20	04/02/21	51,268	275,424	224,156
		6943165	C	P067952	DE-AR0001218	Broderick /Tamara A	04/03/20	04/02/21	0	129,194	129,194
		6943166	C	P067952	DE-AR0001218	Leonard /John J	04/03/20	04/02/21	25,625	116,984	91,359
	003511 UT- Battelle LL	6942904	C	P068000	4000176148	Forget /Benoit Robert Yves	11/10/19	12/31/21	63,511	107,000	43,490
	004298 Sandia National	6933745	C	P243020	PO1619650/ CPA1340868	Petrasso /Richard D	03/07/16	09/30/19	73,152	434,950	0
	005508 Columbia Unive	6930075	C	P060600	2(GG008553)	Palacios /Tomas	04/01/14	10/31/19	67,589	1,541,091	36,091
	005936 George Washin	6938165	C	P066000	17-S33	Hu /Juejun	12/15/17	12/14/19	14,269	100,000	(0)
	007232 Research Foundation of SUNY-Buffalo	6939938	C	P068000	PO NOS. R1154215 / R115	Shirvan /Koroush	09/17/18	03/16/21	0	0	0
		6940392	C	P068000	PO R1154215	Shirvan /Koroush	09/17/18	03/16/21	79,317	145,350	66,033
		6940393	C	P068000	PO R1154214	Shirvan /Koroush	09/17/18	03/16/21	0	7,650	7,650
	007726 University of Mi	6943064	C	P060600	C00069059-2	Palacios /Tomas	10/19/19	12/19/20	23,638	443,440	419,802
	010946 Brayton Energy	6940431	C	P061096	AGREEMENT DTD 2/6/19	Tan /Choon S	01/01/19	12/31/20	126,549	260,152	120,874
	102885 Via Separations LLC	6942309	C	P152000	AGMT. DTD. 8/1/19	Swager /Timothy M	06/01/19	02/28/22	190,393	600,000	409,607
		6942461	C	P062000	AGMT. DTD. 8/1/19	Smith /Zachary P	08/01/19	02/28/22	106,512	400,000	293,489
	103802 C.A. Goudey &	6939174	C	P065005	AGMT DTD 05/01/2018	Lermusiaux /Pierre	06/01/18	04/01/21	7,216	90,000	71,046
	104090 Yellowstone En	6939928	C	P068000	SUBCONTRACT AGMT 01,	Forget /Benoit Robert Yves	01/01/19	11/09/19	31,401	73,977	(0)
	104527 AltaRock Energy LLC	6942705	C	P243020	1051-2	Woskov /Paul P	09/09/19	09/08/20	18,392	604,455	586,063

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	Energy, LLC	6942980	C	P243020	1051-2	Woskov /Paul P	03/31/20	09/08/20	0	22,000	22,000
	104563 Form Energy, Inc	6941805	C	P066000	SUBCONTRACT RESEARCH	Chiang /Yet-Ming	07/31/19	01/30/21	83,681	415,041	331,360
	107375 Raytheon Technologies	6940860	C	P062000	RESEARCH AGREEMENT	Brushett /Fikile R	04/22/19	04/22/22	218,973	406,845	159,752
	Total by Primary Sponsor								3,020,827	14,212,291	4,984,617
000222 DOE/NNSA/Washington	007622 Lawrence Livermore	6935266	C	P061901	NO. B620960	Chakraborty /Arup K	12/06/16	09/30/19	29,536	278,273	(0)
	007641 University of Michigan	6943018	C	P068000	PO 3005787040 / SUBK000	Danagoulain /Areg	09/20/19	09/19/20	104,432	191,900	87,468
		6943251	C	P069201	PO 3005787040 / SUBK000	Alm /Eric J	09/20/19	09/19/20	4,503	144,100	139,597
	106965 Fluor Marine Products	6942196	C	P068000	PO 135265 / LINE ITEM 1	Bucci /Matteo	09/26/19	08/31/20	99,738	235,254	135,516
Total by Primary Sponsor								238,209	849,527	362,581	
000225 DOE - U.S. Energy Information Administration	007714 University of Arkansas	6935475	C	P068700	SA1712153	Ilic /Marija	08/01/16	07/31/20	0	81,824	0
		6936709	C	P068700	SA1712153	Ilic /Marija	08/01/17	07/31/19	0	99,838	0
		6942737	C	P068700	SA1712153	Ilic /Marija	08/01/19	07/31/20	51,223	139,062	87,839
	Total by Primary Sponsor								51,223	320,724	87,839
000226 U.S. Department of Energy, Office of Science	006112 Harvard Medical School	6941697	C	P064000	124163	Englund /Dirk R.	06/01/19	05/31/20	66,313	66,313	0
	006788 National Renewable Energy Laboratory	6941550	C	P062000	NO. UGA-0-41029-21	Roman /Yuriy	09/25/19	09/24/20	73,697	75,000	1,303
	007533 University of California	6940325	C	P067952	KK1939	Daskalakis /Konstantinos	09/15/18	09/14/20	53,326	300,000	242,320
	007603 University of Iowa	6939845	C	P065005	S00483-01	Lloyd /Seth	09/01/18	08/31/20	118,238	129,000	10,762
	007617 University of Minnesota	6940178	C	P062000	A004527506	Kulik /Heather Janine	08/01/18	07/31/19	51,891	101,983	0
		6941840	C	P062000	A004527506	Kulik /Heather Janine	08/01/19	07/31/20	81,594	118,017	36,423
	104645 FGC Plasma Solutions	6939061	C	P065004	STTR DTD 07/19/2018	Ghoniem /Ahmed F	07/30/18	08/31/19	13,788	60,000	9
		6941160	C	P065004	STTR AGMT DTD. 7/1/19	Ghoniem /Ahmed F	07/01/19	06/30/20	113,250	117,466	4,216
	6941684	C	P065004	AGMT SIGNED 10/11/2019	Ghoniem /Ahmed F	09/01/19	08/31/21	140,807	420,000	279,193	
Total by Primary Sponsor								712,904	1,387,779	574,225	
000227 DOE - Office of Environmental Management	000227 DOE - Office of Environmental Management	6935003	C	P065004	DE-EM0004484	Asada /Haruhiko	09/22/16	06/21/19	0	0	0
		6935216	C	P065004	DE-EM0004484	Asada /Haruhiko	09/22/16	09/21/17	0	159,721	0
		6935217	C	P065004	DE-EM0004484	Asada /Haruhiko	09/22/17	06/21/19	5,349	148,062	14,551
		6935853	C	P065004	DE-EM0004484	Asada /Haruhiko	09/22/16	09/21/17	0	15,279	0
		6937983	C	P065004	DE-EM0004484	Asada /Haruhiko	09/22/17	06/21/19	0	1,938	0
Total by Primary Sponsor								5,349	325,000	14,551	
000229 DOE - Office of Energy Efficiency and Renewable Energy	000229 DOE - Office of Energy Efficiency and Renewable Energy	6943059	C	P267200	DE-EE0009165	Baldo /Marc A	04/01/20	03/31/21	37,224	500,000	462,776
	005935 Georgia Institute of Technology	6942401	C	P402400	AWD-000286-G2	Fernandez /John	08/01/19	07/31/20	10,062	123,721	113,659
	006788 National Renewable Energy Laboratory	6943104	C	P417500	UGA-0-41029-23	Olivetti /Elsa A	04/16/20	09/30/22	2,420	200,052	197,632
	007180 Purdue University	6939853	C	P065004	14000388-014	Henry /Asegun S	10/01/18	09/30/20	212,568	385,958	29,793
	007727 University of Nebraska	6941933	C	P153000	UNR-20-21	Fehler /Michael C	09/01/19	08/31/21	90,787	159,972	69,185
102830 Western Research	6938492	C	P267111	MIT17-10G663	Grossman /Jeffrey C.	10/01/17	12/31/19	20,748	580,009	(20,751)	

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	103566 The REMADE II	6942536	C	P417500	SA-19-31	Olivetti /Elsa A	02/01/20 01/31/21	35,453	200,000	164,547
	107375 Raytheon Tech	6941044	C	P267200	RESEARCH AGMT 124904	Shao-Horn /Yang	10/10/18 08/31/20	154,758	160,000	5,242
	Total by Primary Sponsor							564,020	2,309,712	1,022,083
000307 Biomedical Advanced Research and Development	000307 Biomedical Adv	6942051	C	P402000	75A50119C00076	Langer /Robert S	09/30/19 09/30/21	206,880	700,000	493,120
	Total by Primary Sponsor							206,880	700,000	493,120
000340 NIH	000340 NIH	6922632	C	P061902	5-T32-EB001680-08	Rosen /Bruce R	09/30/10 08/31/19	0	109,032	109,032
		6922663	C	P161000	2-T32-EB001680-06A2	Rosen /Bruce R	09/30/10 08/31/11	0	139,507	(0)
		6924255	C	P061902	5-T32-EB001680-07	Rosen /Bruce R	09/01/11 08/31/12	0	157,959	0
		6926499	C	P061902	5-T32-EB001680-08	Rosen /Bruce R	09/01/12 08/31/13	0	161,209	(0)
		6928497	C	P267600	5-R01-CA178636-06 REVIS	Fujimoto /James G	09/01/13 06/30/20	0	455,292	(0)
		6928547	C	P061902	5-T32-EB001680-09	Rosen /Bruce R	09/01/13 08/31/14	0	162,505	0
		6929566	C	P267600	1-R01-CA178636-01	Fujimoto /James G	09/01/13 06/30/16	0	315,971	(0)
		6929606	C	P402000	5-R01-AI111860-05	Irvine /Darrell J	04/01/14 12/31/19	(6,252)	919,979	(0)
		6929638	C	P400600	5-R01-NS078127-05R	Jazayeri /Mehrdad	04/01/14 03/31/20	281,745	1,706,250	(66)
		6929679	C	P061901	5-R01-DK087984-07 REVIS	Liau /Jane-Jane Chen	08/01/13 03/31/20	5,070	1,357,369	0
		6929695	C	P402012	5-R01-CA034992-36 REVIS	Yilmaz /Omer	04/01/14 03/31/20	38,474	3,548,200	(44)
		6929716	C	P402000	5-R01-CA184956-04	Manalis /Scott R	06/03/14 08/31/19	49,852	1,092,625	0
		6929770	C	P243021	5P41EB002026-43	Griffin /Robert Guy	04/01/14 05/31/19	(8,339)	5,375,979	0
		6930052	C	P165000	5-P01-CA026731-39	Tannenbaum /Steven R	06/01/14 05/31/20	9,914	951,653	(467)
		6930053	C	P165000	2-P01-CA026731-35A1	Tannenbaum /Steven R	06/01/14 05/31/15	0	0	0
		6930054	C	P165000	2-P01-CA026731-35A1	Dedon /Peter C	06/01/14 05/31/20	6,940	805,481	(30)
		6930055	C	P165000	2-P01-CA026731-35A1	Essigmann /John M	06/01/14 05/31/20	156,923	761,532	1,378
		6930056	C	P165000	2-P01-CA026731-35A1	Engelward /Bevin P	06/01/14 05/31/20	65,245	605,939	467
		6930063	C	P159300	5-R01-MH104536-05	Littleton /J. Troy	06/01/14 02/28/19	3,020	1,949,988	0
		6930085	C	P402012	U01-CA184897	Gertler /Frank	06/01/14 05/31/20	0	151	151
		6930087	C	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/14 05/31/15	0	90,161	0
		6930088	C	P151054	1-U01-CA184897-01	Burge /Christopher B	06/01/14 05/31/15	0	190,282	(0)
		6930089	C	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/14 05/31/15	0	329,900	0
		6930127	C	P067952	5-R01-GM082209-08 REVIS	Tidor /Bruce	06/05/14 05/31/20	187,716	1,179,216	(1,867)
		6930205	C	P165000	2-P01-CA026731-35A1	Tannenbaum /Steven R	06/01/14 05/31/15	0	18,107	0
		6930217	C	P159300	1-RF1-AG047661-01 REVIS	Tsai /Li-Huei	07/01/14 05/31/19	(143)	1,068,471	0
		6930244	C	P151072	3-R01-GM097241-06	Imperiali /Barbara	07/01/14 07/31/19	335	1,082,676	0
		6930256	C	P068800	2T32GM008334-28	Wittrup /Karl Dane	07/01/14 06/30/20	0	354,382	354,382
		6930257	C	P068800	2T32GM008334-26	Wittrup /Karl Dane	07/01/14 06/30/15	0	748,029	0
		6930262	C	P069201	5-U01-CA184898-06	Fraenkel /Ernest	07/01/14 05/31/21	0	108,261	108,261
		6930268	C	P267600	5-R01-CA075289-21	Fujimoto /James G	06/10/14 04/30/20	42,522	1,166,808	(37,101)
		6930287	C	P069200	1-U01-CA184898-01	Fraenkel /Ernest	07/01/14 05/31/15	0	388,822	(0)
		6930370	C	P165000	5-R01-AI111395-05	Sasisekharan /Ram	08/01/14 07/31/20	557,555	3,750,000	31,818
		6930476	C	P151020	5-R01-GM031030-36	Walker /Graham C	08/01/14 06/30/19	3,322	1,767,967	(0)
		6930603	C	P165000	2-P01-CA026731-35A1	Tannenbaum /Steven R	06/01/14 05/31/15	0	154,163	(0)
		6930680	C	P061902	5-T32-EB001680-10	Rosen /Bruce R	09/01/14 08/31/15	0	174,303	0
		6930702	C	P152000	5-R01-GM029595-38 REVIS	Stubbe /JoAnne	09/10/14 08/31/19	(27,649)	1,146,577	(0)

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		6930746	C	P159300	1-RF1-AG048029-01 REVIS	Tsai /Li-Huei	08/15/14	05/31/19	86,192	2,126,485	0
		6930759	C	P151002	5-R01-AR065484-05	Schwartz /Thomas	09/01/14	02/29/20	120,660	1,634,514	(0)
		6930793	C	P067952	2-R01-GM082209-05A1	Tidor /Bruce	06/05/14	05/31/18	0	588,455	0
		6930800	C	P151012	5-R01-AT008764-05 REVIS	Kim /Dennis H	09/30/14	06/30/19	15,124	3,071,309	0
		6930842	C	P243021	5-R01-EB001960-40	Griffin /Robert Guy	09/01/14	03/31/19	4,559	1,330,182	(0)
		6930885	C	P267600	5-R01-CA075289-19	Fujimoto /James G	07/01/14	04/30/20	0	392,447	20,078
		6930887	C	P165000	2-P01-CA026731-35A1	Essigmann /John M	06/01/14	05/31/15	0	26,676	(0)
		6931405	C	P069201	3-R01-NS089076-05S1	Fraenkel /Ernest	04/01/15	03/31/21	150,634	1,209,102	136,288
		6931426	C	P402000	5-R33-CA191143-03 REVIS	Manalis /Scott R	05/01/15	04/30/20	37,034	1,015,232	10,616
		6931437	C	P069201	1-R01-NS089076-01A1	Fraenkel /Ernest	04/01/15	03/31/21	101,032	908,674	69,424
		6931438	C	P402012	1-R01-NS089076-01A1	Housman /David E	04/01/15	03/31/21	94,984	653,994	(2,995)
		6931454	C	P267500	5-R01-NS086804-05	Anikeeva /Polina Olegovna	02/15/15	12/31/19	19,765	1,630,200	(0)
		6931496	C	P159300	5-R01-MH106497-05	Choi /Bohyun Gloria	03/01/15	02/29/20	202,217	1,950,000	(0)
		6931588	C	P159300	5-R37-MH087027-10	Miller /Earl K	03/01/15	02/28/21	310,360	3,060,435	217,664
		6931608	C	P243021	5-P41-EB002026-42	Griffin /Robert Guy	04/01/14	05/31/19	0	112,542	0
		6931621	C	P159300	5-R01-MH106469-05	Bear /Mark	04/01/15	01/31/21	371,557	2,681,280	93,185
		6931639	C	P400600	5-R01-EY023322-06	Jazayeri /Mehrdad	01/31/15	07/31/19	(2,104)	1,447,677	(0)
		6931664	C	P152000	5-R01-GM095843-08 REVIS	Swager /Timothy M	04/01/15	02/29/20	84,757	1,276,800	0
		6931676	C	P267600	5-R01-EY011289-33 REVIS	Fujimoto /James G	03/01/15	03/31/20	203,370	1,244,430	77,146
		6931697	C	P159300	5-R01-EY025437-05	Nedivi /Elly	04/01/15	02/28/21	229,876	1,794,463	82,406
		6931698	C	P159300	5-R01-MH085802-10	Sur /Mriganka	04/01/15	02/28/21	245,171	2,246,655	12,288
		6931733	C	P151020	5-R01-CA021615-42	Walker /Graham C	05/01/15	04/30/21	167,137	1,715,974	254,545
		6931734	C	P159300	5-R01-EY007023-28	Sur /Mriganka	04/01/15	03/31/20	(207)	1,951,824	(408)
		6931737	C	P069201	5 T32 EB019940-05 REVIS	Jasanoff /Alan Pradip	04/01/15	08/31/20	0	51,376	51,376
		6931738	C	P069201	1T32EB019940	Jasanoff /Alan Pradip	04/01/15	03/31/16	0	98,619	0
		6931740	C	P069201	1T32EB019940	Jasanoff /Alan Pradip	04/01/15	03/31/16	0	0	0
		6931861	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	354,393	0
		6931862	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	111,029	0
		6931864	C	P402000	2-P30-CA14051-44	Yilmaz /Omer	05/01/15	04/30/16	0	189,995	0
		6931865	C	P402000	2-P30-CA014051-44	Koehler /Angela Nicole	05/01/15	04/30/16	0	151,953	(0)
		6931866	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	21,396	0
		6931870	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	131,000	0
		6931871	C	P402000	2-P30-CAA14051-44	Chen /Jianzhu	05/01/15	04/30/16	0	106,112	0
		6931872	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	307,836	(0)
		6931873	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	408,266	(0)
		6931874	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	352,039	(0)
		6931875	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	191,954	0
		6931876	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	197,618	(0)
		6931877	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	224,596	(0)
		6931878	C	P402000	2-P30-CAA14051-44	Jacks /Tyler E	05/01/15	04/30/16	0	286,898	0
		6931879	C	P402000	2-P30-CAA14051-44	Jacks /Tyler E	05/01/15	04/30/16	0	198,125	0
		6931880	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	197,340	0
		6931914	C	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/15	05/31/16	0	0	0
		6931915	C	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/15	05/31/16	0	287,713	0
		6931916	C	P151054	1-U01-CA184897-01	Burge /Christopher B	06/01/15	05/31/16	0	187,455	0

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		6931917	C	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/15	05/31/16	0	322,099	0
		6931928	C	P062000	5-R01-DE013023-20	Langer /Robert S	05/08/15	04/30/20	298,339	1,950,000	(0)
		6931934	C	P061901	5-R01-GM114190-05	Mirny /Leonid A	06/01/15	05/31/20	272,944	1,389,620	7
		6931937	C	P067952	5-R01-HG008363-03 REV1	Gifford /David K	05/13/15	04/30/20	165,894	2,259,901	1,803
		6931948	C	P069201	5-U01-CA184898-02	Fraenkel /Ernest	07/01/14	05/31/16	0	586,543	(0)
		6932040	C	P151000	5-T32-GM007287-42	Bell /Stephen P	07/01/15	06/30/21	0	149,177	149,177
		6932041	C	P151039	2-T32-GM007287-41	Bell /Stephen P	07/01/15	06/30/16	0	1,730,653	(0)
		6932053	C	P402000	5-R01-HD085866-05	Amon /Angelika B	06/15/15	04/30/21	194,475	1,565,512	54,303
		6932061	C	P165000	5-T32-ES007020-45 REV1	Essigmann /John M	07/01/15	06/30/20	0	468,880	468,880
		6932062	C	P165000	2-T32-ES007020-41	Essigmann /John M	07/01/15	06/30/16	0	442,406	(0)
		6932107	C	P267600	2-R01-EY011289-29A1	Fujimoto /James G	03/01/15	02/28/17	0	78,699	0
		6932108	C	P267600	2-R01-EY011289-29A1	Fujimoto /James G	03/01/15	03/31/20	105,265	543,201	44,423
		6932198	C	P068800	5-T32-GM008334-27	Wittrup /Karl Dane	07/01/15	06/30/16	0	769,049	0
		6932234	C	P243021	5-R01-EB002804-30S1	Griffin /Robert Guy	04/01/15	04/30/19	316	2,283,347	(0)
		6932254	C	P069201	5-R37-GM057073-22	Sasisekharan /Ram	08/01/15	07/31/21	152,813	2,114,614	724,148
		6932256	C	P154500	5-P30-EY002621-38	DiCarlo /James	04/01/08	06/30/16	(0)	340,573	0
		6932260	C	P243021	5-R01-EB004866-12	Temkin /Richard J	07/01/15	06/30/21	226,749	1,592,309	184,646
		6932279	C	P039070	5-R01-DA029639-08	Boyden /Edward	07/01/15	08/31/19	4,818	1,385,349	(0)
		6932327	C	P402000	1-R33-CA191143-01	Manalis /Scott R	07/13/15	04/30/17	0	0	0
		6932417	C	P069201	5-R01-DA038642-05	Jasanoff /Alan Pradip	06/01/15	06/30/20	383,384	2,515,767	3,569
		6932518	C	P091020	5-R01-AG049897-05	Finkelstein /Amy	09/01/15	04/30/21	357,465	2,713,783	343,176
		6932553	C	P152000	1-R01-DA038642-01A1	Bawendi /Moungi G	08/15/15	06/30/20	72,869	291,622	0
		6932556	C	P402000	1-R33-CA191143-01	Manalis /Scott R	08/01/15	03/19/16	0	14,707	0
		6932562	C	P152000	1-DP2-GM119162-01	Shoulders /Matthew D.	06/30/15	08/31/20	137,287	2,340,000	15
		6932575	C	P069201	3-R01-NS089076-01A1S1	Lu /Timothy K	04/01/15	03/30/16	0	26,825	(0)
		6932576	C	P069201	3-R01-NS089076-01A1S1	Fraenkel /Ernest	04/01/15	03/30/16	0	23,175	0
		6932579	C	P402000	1-R33-CA191143-01	Manalis /Scott R	08/01/15	03/19/16	0	14,857	0
		6932635	C	P159300	5-R01-NS040296-18	Littleton /J. Troy	09/15/15	07/31/20	323,501	1,877,771	20,668
		6932641	C	P243021	5-R01-GM114834-13 REV1	Iwasa /Yukikazu	09/01/15	08/31/20	75,274	2,321,684	(110,993)
		6932642	C	P061902	5-T32-EB001680-11	Rosen /Bruce R	09/01/15	08/31/16	0	177,362	0
		6932682	C	P243021	2-R01-EB002804-27	Griffin /Robert Guy	04/01/15	04/30/19	(30)	88,319	0
		6932772	C	P400600	5U01MH108168-04	Whitfield-Gabrieli /Susan	09/16/15	06/30/20	0	38,502	38,502
		6932773	C	P400600	5-U01-MH108168-03	Whitfield-Gabrieli /Susan	09/16/15	06/30/16	0	616,509	0
		6932774	C	P400600	5-U01-MH108168-03	Desimone /Robert	09/16/15	06/30/16	0	9,865	0
		6932789	C	P243021	5-R01-GM114834-13	Iwasa /Yukikazu	09/01/15	08/31/20	1,704	640,500	110,971
		6932850	C	P061901	5-R25-GM116705-05	Gray /Martha L	09/21/15	07/31/21	497,634	2,672,765	388,997
		6932871	C	P061901	1DP2GM119419	Shalek /Alexander K	09/30/15	05/31/20	596,566	2,271,890	(17,007)
		6932899	C	P069201	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	292,951	0
		6932949	C	P069200	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/20	0	56,307	56,307
		6932957	C	P400600	5-U01-MH108168-02	Whitfield-Gabrieli /Susan	07/01/16	06/30/17	0	968,554	(0)
		6932958	C	P400600	5-U01-MH108168-02	Desimone /Robert	07/01/16	06/30/17	0	35,196	0
		6933091	C	P243021	5-R01-EB004866-12	Temkin /Richard J	07/01/15	06/30/21	28,171	306,000	(30,619)
		6933106	C	P267600	5-R21-AI121669-05	Lu /Timothy K	12/01/15	11/30/20	0	202,193	(0)
		6933112	C	P069201	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	0	0
		6933328	C	P152000	5-R01-GM059426-20	Schrock /Richard Royce	02/01/16	01/31/21	88,839	1,036,867	35,661

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		6933329	C	P152000	2-R01-GM059426-17	Schrock /Richard Royce	02/01/16	01/31/21	275,747	1,159,190	50,146
		6933379	C	P151041	5-R01-HL127174-04	Krieger /Monty	01/01/16	11/30/20	405,710	1,949,981	44,613
		6933415	C	P400600	5-R01-EB020740-04	Ghosh /Satrajit S	01/15/16	11/30/20	574,960	2,678,253	188,274
		6933438	C	P069201	5-R01-CA206218-05 REVISE	Weiss /Ron	01/12/16	11/30/20	217,538	1,419,738	40,207
		6933458	C	P069201	1-U01CA202177-01	So /Peter T. C.	09/22/15	08/31/16	0	36,729	0
		6933459	C	P069200	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	303,009	0
		6933568	C	P402012	5-R01-CA206157-25 REVISE	Amon /Angelika B	11/14/15	01/31/21	303,993	1,437,199	173,604
		6933581	C	P402000	5-R01-EB016101-5	Langer /Robert S	03/01/16	02/28/19	(181)	573,373	(0)
		6933584	C	P400600	5-R01 EB 016101-5	Graybiel /Ann M	03/01/16	02/28/19	(24,925)	1,103,358	0
		6933629	C	P069201	5-R01-CA207029-05	Weiss /Ron	03/01/16	02/28/21	273,121	1,625,600	179,012
		6933671	C	P402000	5-R01-CA096504-15 REVISE	Wittrup /Karl Dane	03/01/13	03/31/19	(750)	625,554	0
		6933693	C	P069201	1-R01-CA206218-01A1	Irvine /Darrell J	01/12/16	11/30/20	236,035	1,001,476	110,146
		6933694	C	P069201	1-R01-CA206218-01A1	Lauffenburger /Douglas A	01/12/16	11/30/19	0	313,418	(0)
		6933714	C	P069200	1-R01-CA207029-01A1	Weiss /Ron	03/01/16	02/28/21	194,028	1,377,051	299,555
		6933733	C	P402000	4-R01-CA096504-14	Wittrup /Karl Dane	03/01/13	03/31/19	276	279,697	0
		6933790	C	P165000	5P30ES002109-40	Niles /Jacquin	04/01/16	03/31/21	0	0	0
		6933794	C	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	221,425	(0)
		6933795	C	P165000	PENDING P30ES002109 Y	Vandiver /Kathleen	04/01/16	03/31/17	0	109,464	(0)
		6933796	C	P165000	PENDING P30ES002109 Y	Fox /James G	04/01/16	03/31/17	0	168,598	(0)
		6933797	C	P165000	PENDING P30ES002109 Y	Wishnok /John S	04/01/16	03/31/17	0	70,576	0
		6933798	C	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	156,566	(0)
		6933799	C	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	13,576	0
		6933829	C	P152000	5-R01-GM074825-13	Movassaghi /Mohammad	04/01/16	01/31/21	210,910	1,543,824	162,427
		6933844	C	P400600	1S10OD021569-01	Gabrieli /John D. E.	04/01/16	03/31/17	0	600,000	37,237
		6933859	C	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	62,988	0
		6933860	C	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	1,550	0
		6933861	C	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	0	0
		6933862	C	P165000	PENDING P30ES002109 Y	Kocar /Benjamin David	04/01/16	11/30/16	0	20,695	(0)
		6933892	C	P152000	4-R01-GM081393-08	Stubbe /JoAnne	10/01/12	06/30/19	(5,396)	797,974	(0)
		6933895	C	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	90,634	0
		6933900	C	P152000	2-R01-GM074825-10A1	Movassaghi /Mohammad	04/01/16	09/30/20	5,381	58,651	12,225
		6933937	C	P400600	3-U01-MH108168-01S1	Whitfield-Gabrieli /Susan	04/06/16	06/30/16	0	46,923	0
		6933952	C	P402000	2-P30-CA014051-44	Birnbaum /Michael E	05/01/15	04/30/16	0	119,928	0
		6933989	C	P402012	5-R35-GM118066-05	Amon /Angelika B	05/01/16	04/30/21	432,608	1,891,778	427,569
		6934009	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	310,170	(0)
		6934010	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	128,295	0
		6934013	C	P402000	5-P30-CA014051-45	Yilmaz /Omer	05/01/16	04/30/17	0	137,139	0
		6934014	C	P402000	5-P30-CA014051-45	Koehler /Angela Nicole	05/01/16	04/30/17	0	175,703	0
		6934015	C	P402000	5-P30-CA014051-45	Birnbaum /Michael E	05/01/16	04/30/17	0	105,344	0
		6934017	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	160,817	(0)
		6934021	C	P402000	5-P30-CA014051-45	Chen /Jianzhu	05/01/16	04/30/17	0	49,888	(0)
		6934023	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	300,287	0
		6934024	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	394,127	0
		6934025	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	319,501	(0)
		6934026	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	191,463	0

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		6934027	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	196,211	(0)
		6934028	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	312,450	(0)
		6934029	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	286,114	(0)
		6934030	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	159,538	0
		6934031	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	194,696	0
		6934040	C	P151037	5-R01-GM101988-41	Sauer /Robert T	05/01/16	04/30/21	271,410	1,775,378	382,348
		6934085	C	P151054	5-R01-HG002439-16 REVISE	Burge /Christopher B	05/01/16	05/31/21	301,345	1,467,053	156,931
		6934112	C	P069201	5-T32-EB019940-02	Jasanoff /Alan Pradip	04/01/15	03/31/17	0	149,872	0
		6934153	C	P400600	5-R01-NS025529-28	Graybiel /Ann M	07/01/16	06/30/19	(216,840)	772,116	(0)
		6934175	C	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/16	05/31/17	0	0	0
		6934176	C	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/16	05/31/17	0	157,985	0
		6934177	C	P151054	5-U01-CA184897-03	Burge /Christopher B	06/01/16	05/31/17	0	181,079	0
		6934178	C	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/16	05/31/17	0	314,730	0
		6934247	C	P165000	5T32ES007020-42-REVISE	Essigmann /John M	07/01/16	06/30/17	0	541,304	(0)
		6934254	C	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	1,570	0
		6934316	C	P400600	4-R01-MH097104-05	Feng /Guoping	07/01/16	06/30/19	8,593	411,929	0
		6934323	C	P151039	4-T32-GM007287-42	Bell /Stephen P	07/01/16	06/30/17	0	1,760,474	(0)
		6934338	C	P267600	5-R01-CA178636-05	Fujimoto /James G	07/01/16	06/30/20	119,075	716,350	(42,717)
		6934339	C	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	333,794	0
		6934340	C	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	336,883	0
		6934341	C	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	188,520	(0)
		6934388	C	P062000	5-R01-DE024747-04	Hammond /Paula T	09/01/16	08/31/20	239,913	953,564	6,608
		6934392	C	P165000	5-R01-CA080024-23	Essigmann /John M	07/01/16	06/30/21	378,884	1,972,794	542,713
		6934417	C	P159300	5-R37-NS051874-23	Tsai /Li-Huei	04/02/11	06/30/20	455,694	1,872,320	22,924
		6934482	C	P068800	5-T32-GM008334-28	Wittrup /Karl Dane	07/01/16	06/30/17	0	728,762	0
		6934521	C	P165000	5T32ES007020-42	Essigmann /John M	07/01/16	06/30/17	0	751	0
		6934541	C	P151002	5-R01-GM077537-13	Schwartz /Thomas	05/04/16	07/31/20	272,354	1,466,521	11,369
		6934544	C	P267600	4-R01-CA178636-04	Fujimoto /James G	07/01/16	06/30/20	25,708	218,272	60,525
		6934597	C	P402000	5-R01-EB022433-04	Irvine /Darrell J	09/01/16	05/31/20	315,017	1,391,987	(4)
		6934601	C	P402000	5-U54-CA210180-04 REVISE	White /Forest M	08/29/16	07/31/20	0	0	0
		6934602	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	55,831	0
		6934603	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	51,961	0
		6934604	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	64,494	0
		6934605	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	36,292	0
		6934606	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	52,539	0
		6934607	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	21,829	0
		6934608	C	P402000	1-U54-CA210180-01	Lauffenburger /Douglas A	08/01/16	07/31/17	0	86,321	0
		6934609	C	P402000	1-U54-CA210180-01	Wittrup /Karl Dane	08/01/16	07/31/17	0	75,039	(0)
		6934610	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	227,656	0
		6934611	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	100,951	0
		6934612	C	P402000	1-U54-CA210180-01	White /Forest M	08/29/16	07/31/17	0	96,898	0
		6934613	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	215,871	0
		6934615	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	57,101	0
		6934617	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	112,171	0

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		6934618	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	197,743	(0)
		6934620	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	81,076	0
		6934622	C	P400600	5-R01-NS098505-05	Feng /Guoping	09/01/16	06/30/21	50,366	2,118,685	650,905
		6934649	C	P159300	4-R01-GM104948-05	Brown /Emery Neal	06/25/12	08/31/18	(1,233)	717,123	(0)
		6934664	C	P061901	5-R34-HL125859-02	Poon /Chi-Sang	06/01/17	11/30/18	(21,928)	217,316	0
		6934731	C	P165000	4R01EB017755-04 REVISE	Ribbeck /Katharina	09/01/16	04/30/19	(3)	386,074	0
		6934739	C	P154500	5-R01-DC014739-04	McDermott /Joshua Hartman	09/01/16	08/31/20	321,385	1,501,202	(46,504)
		6934745	C	P061902	5-T32-EB001680-13	Rosen /Bruce R	09/01/16	08/31/17	0	174,874	(0)
		6934762	C	P069201	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	210,744	(0)
		6934763	C	P069200	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	288,461	0
		6934764	C	P069201	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	38,774	0
		6934787	C	P400600	5-DP1-HD091947-03	Kanwisher /Nancy	09/30/16	07/31/20	976,468	4,331,601	738,684
		6934799	C	P159300	1-RF1-AG054012-01 REVISE	Tsai /Li-Huei	08/01/16	03/31/21	668,959	2,929,868	494,018
		6934830	C	P400600	5-R01-MH111503-03	Wickersham /Ian R.	09/09/16	05/31/20	211,940	2,963,167	116
		6934851	C	P067952	5-R01-HG008754-04	Gifford /David K	09/09/16	06/30/21	424,993	2,521,552	587,684
		6934867	C	P067952	1-RF1-AG054012-01	Kellis /Manolis	08/01/16	03/31/21	301,449	931,140	28,101
		6934872	C	P402000	3-P30-CA014051-45S1	Hynes /Richard O	09/13/16	04/30/17	0	79,793	0
		6934907	C	P061901	5-R01-GM049039-24	Edelman /Elazer R	09/15/16	06/30/21	469,173	2,541,862	127,805
		6934945	C	P151039	5-R01-GM052339-25	Bell /Stephen P	09/16/16	07/31/20	134,410	1,162,137	206,463
		6934956	C	P067952	5-R01-GM108348-07	Berger Leighton /Bonnie	06/21/16	08/31/20	331,719	1,418,366	17,977
		6934970	C	P165000	PENDING P30ES002109 Y	Engelward /Bevin P	09/19/16	03/31/17	0	22,641	0
		6934983	C	P402000	1-U54-CA210180	White /Forest M	08/01/16	07/31/17	0	54,664	0
		6934984	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	7,738	0
		6934998	C	P267500	5-R01-MH111872-04	Anikeeva /Polina Olegovna	07/01/16	06/30/21	346,322	1,664,887	114,989
		6935023	C	P061901	5 K99 GM118907-02	Yang /Jason Hung-Ying	09/20/16	08/31/19	1,521	177,526	0
		6935025	C	P165000	PENDING P30ES002109 Y	Selin /Noelle E	09/01/16	03/31/17	0	22,035	(0)
		6935029	C	P165000	PENDING P30ES002109 Y	Schlaue-Cohen /Gabriela S	09/01/16	03/31/17	0	38,879	0
		6935134	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	3,867	0
		6935171	C	P159300	1DP2ES027992	Chung /Kwanghun	09/30/16	06/30/21	292,828	2,320,500	1,194,687
		6935181	C	P069201	1-U01CA202177-02	So /Peter T. C.	09/01/16	08/31/17	0	90,001	(0)
		6935247	C	P267500	1-R01-MH111872-01	Anikeeva /Polina Olegovna	07/01/16	06/30/21	304,585	1,428,964	120,933
		6935248	C	P267500	1-R01-MH111872-01	Anikeeva /Polina Olegovna	07/01/16	06/30/19	0	234,888	0
		6935249	C	P159300	1-RF1-AG054321-01 REVISE	Tsai /Li-Huei	09/01/16	03/31/21	659,602	4,028,422	998,741
		6935535	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	62,783	(0)
		6935550	C	P267600	5-R01-EY011289-30	Fujimoto /James G	03/01/15	03/31/20	148,104	227,550	7,695
		6935557	C	P402000	5-R01-CA211184-04 REVISE	Yilmaz /Omer	12/23/16	11/30/20	472,650	1,625,659	22,744
		6935568	C	P151072	5-R21-AI130776-02	Imperiali /Barbara	01/16/17	12/31/19	55,153	425,421	0
		6935631	C	P243021	5-R01-GM088204-10	Hong /Mei	02/01/17	01/31/21	363,545	1,448,842	273,192
		6935632	C	P152000	5R01GM114547-06	Radosevich /Alexander T.	07/01/16	02/29/20	159,427	809,899	(0)
		6935640	C	P267110	5-R21-EB022729-02 REVISE	Voldman /Joel	02/01/17	01/31/20	49,778	187,942	(5)
		6935733	C	P402000	5-R33-CA191143-02	Manalis /Scott R	12/01/16	04/30/17	0	6,239	0
		6935765	C	P267111	5-R01-DC000238-35 REVISE	Freeman /Dennis M	11/03/16	11/30/20	385,547	1,424,887	155,945

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		6935812	C	P065004	5-R21-TW010245-02 REV1	Fletcher /Richard R	09/23/16	08/31/20	165,016	345,786	27,116
		6935861	C	P069201	5-T32-EB019940-03 REV1	Jasanoff /Alan Pradip	04/01/17	03/31/18	0	218,485	(0)
		6935872	C	P151072	5-R01-GM039334-32 REV1	Imperiali /Barbara	01/05/17	01/31/21	190,458	1,394,999	461,147
		6935964	C	P400600	1-R21-EY025863-02	DiCarlo /James	04/01/17	03/31/19	(23)	425,425	0
		6936013	C	P061901	5-U19-AI131135-04	Gehrke /Lee	04/01/17	03/31/21	0	1	1
		6936014	C	P165000	5-R01-MH112694-04	Bathe /Mark	04/01/17	02/28/21	199,103	1,237,600	317,067
		6936032	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	17,071	0
		6936033	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	35,749	0
		6936035	C	P165000	5P30ES002109-37	Selin /Noelle E	04/01/17	12/31/17	0	16,961	0
		6936041	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	245,836	0
		6936042	C	P165000	5P30ES002109-37	Vandiver /Kathleen	04/01/17	03/31/18	0	107,211	0
		6936043	C	P165000	5P30ES002109-37	Fox /James G	04/01/17	03/31/18	0	123,757	(0)
		6936044	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	114,253	0
		6936045	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	108,049	0
		6936046	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	23,040	0
		6936049	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	0	0
		6936052	C	P243021	5-R01-EB022062-04	Iwasa /Yukikazu	04/01/17	12/31/20	882,717	2,388,746	237,718
		6936058	C	P159300	5-R01-EY025437-03	Nedivi /Elly	08/01/16	02/28/21	2,358	193,572	101,895
		6936059	C	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/17	03/31/18	0	1,171,338	0
		6936065	C	P165000	1-R01-MH112694-01	Bathe /Mark	04/01/17	02/28/21	96,850	379,675	71,657
		6936070	C	P151009	5-R35-GM122538-04	Grossman /Alan Davis	04/01/17	03/31/21	591,359	2,439,056	693,553
		6936078	C	P151062	5-R01-GM082899-13	Laub /Michael T	04/01/17	03/31/21	342,992	1,311,038	223,873
		6936137	C	P402000	5-R33-CA191143-03	Manalis /Scott R	05/01/17	04/30/19	0	109,593	0
		6936215	C	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/17	03/31/18	0	69,966	0
		6936223	C	P165000	5P30ES002109-37	Engelward /Bevin P	04/01/17	03/31/18	0	55,359	0
		6936234	C	P069850	5-R01-GM102311-08	Gore /Jeff	04/01/17	03/31/21	104,281	1,185,367	195,998
		6936251	C	P152000	5-R35-GM122483-04	Buchwald /Stephen Leffler	06/01/17	05/31/21	985,834	4,285,691	1,357,138
		6936254	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	379,666	(0)
		6936255	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	118,680	(0)
		6936258	C	P402000	5-P30-CA014051-46	Yilmaz /Omer	05/01/17	04/30/18	0	124,661	(0)
		6936259	C	P402000	5-P30-CA014051-46	Birnbaum /Michael E	05/01/17	04/30/18	0	167,615	0
		6936260	C	P402000	5-P30-CA014051-46	Spranger-Zimmermann /Stefani	05/01/17	04/30/18	0	289,936	0
		6936262	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	232,727	(0)
		6936266	C	P402000	5-P30-CA014051-46	Hemann /Michael	05/01/17	04/30/18	0	56,264	0
		6936267	C	P402000	5-P30-CA014051-46	Hammond /Paula T	05/01/17	04/30/18	0	87,665	0
		6936268	C	P402000	5-P30-CA014051-46	Hynes /Richard O	05/01/17	04/30/18	0	198,672	0
		6936269	C	P402000	5-P30-CA014051-46	White /Forest M	05/01/17	04/30/18	0	245,993	(0)
		6936270	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	294,955	0
		6936271	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	399,930	0
		6936272	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	314,141	0
		6936273	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	123,064	(0)
		6936274	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	198,843	0
		6936275	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	290,281	(0)
		6936276	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	338,196	(0)
		6936277	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	148,699	(0)

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		6936278	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	168,820	(0)
		6936316	C	P152000	5-R01-AR071443-04	Shoulders /Matthew D.	04/11/17	05/31/21	196,765	1,361,360	281,406
		6936324	C	P069201	5U01CA215798-04	Lauffenburger /Douglas A	04/05/17	03/31/20	0	0	0
		6936325	C	P069201	1U01CA215798-01	Lauffenburger /Douglas A	04/05/17	03/31/18	0	25,171	(0)
		6936328	C	P069201	1U01CA215798-01	Lauffenburger /Douglas A	04/05/17	03/31/18	(1,358)	595,393	0
		6936438	C	P151036	5-R01-GM024663-43	Horvitz /Howard Robert	06/01/17	05/31/21	419,223	1,656,625	514,311
		6936441	C	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	0	0	0
		6936442	C	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	0	196,582	(0)
		6936443	C	P151054	5-U01-CA184897-04	Burge /Christopher B	06/01/17	05/31/18	0	172,736	0
		6936444	C	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	0	301,546	0
		6936448	C	P068800	2-T32-GM008334-29	Wittrup /Karl Dane	07/01/17	06/30/18	(5,633)	850,087	113,818
		6936449	C	P068800	2-T32-GM008334-29	Wittrup /Karl Dane	07/01/17	06/30/18	0	35,532	35,532
		6936470	C	P039070	5-R01-NS102727-04	Boyden /Edward	07/01/17	03/31/21	193,968	2,098,840	412,401
		6936475	C	P402000	5-P30-CA014051-46	White /Forest M	05/01/17	04/30/18	0	206,017	0
		6936476	C	P402000	5-P30-CA014051-46	White /Forest M	05/01/17	04/30/18	0	184,824	0
		6936503	C	P243021	3-R01-GM088204-06S1	Hong /Mei	02/01/17	01/31/21	0	120,000	200
		6936507	C	P402000	5-U54-CA217377-04	Manalis /Scott R	06/07/17	04/30/21	0	1	1
		6936546	C	P165000	4UH3TR002186-04	Grodzinsky /Alan J	08/03/17	02/28/21	0	0	0
		6936549	C	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	127,178	0
		6936550	C	P165000	1-UG3-TR002186-01	Cirit /Murat	06/01/17	02/28/18	0	36,691	(0)
		6936551	C	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	56,778	0
		6936556	C	P065005	5R03HD092676-02	Winter /Amos G	06/18/17	05/31/19	(23,223)	219,883	(0)
		6936561	C	P165000	5-T32-ES007020-43	Essigmann /John M	07/01/17	06/30/18	0	559,748	(0)
		6936562	C	P165000	5-T32-ES007020-43	Essigmann /John M	07/01/17	06/30/18	0	0	0
		6936592	C	P400600	5R01MH060379-19	Graybiel /Ann M	07/01/17	03/31/21	328,442	1,615,810	317,751
		6936598	C	P151054	5-R01-GM085319-11	Burge /Christopher B	05/01/17	07/31/20	223,979	986,837	252,079
		6936599	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	28,661	0
		6936601	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	60,253	(0)
		6936602	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	685,610	0
		6936603	C	P402000	1-U54-CA217377-01	Lauffenburger /Douglas A	06/07/17	04/30/18	0	131,126	0
		6936606	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	618,191	0
		6936607	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	317,867	0
		6936629	C	P061901	1DP2GM119419	Shalek /Alexander K	06/01/17	05/31/20	6,199	68,110	2,217
		6936630	C	P400600	5-U01-MH108168-03	Whitfield-Gabrieli /Susan	07/01/17	06/30/18	0	1,498,732	(0)
		6936631	C	P069201	5-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	38,840	0
		6936635	C	P151012	5-R01-GM084477-11	Kim /Dennis H	04/01/17	06/30/19	352	816,174	(0)
		6936654	C	P151039	5-T32-GM007287-43	Bell /Stephen P	07/01/17	06/30/18	0	1,779,477	(0)
		6936681	C	P066000	5-R21-NS102762-02	Van Vliet /Krystyn J	07/01/17	01/31/20	27,382	295,396	595
		6936689	C	P039070	5-R01-EB024261-04	Boyden /Edward	07/15/17	04/30/21	516,673	2,220,656	365,095
		6936702	C	P400600	5-U01-MH108168-03	Desimone /Robert	07/01/17	06/30/18	0	30,672	0
		6936754	C	P159300	5-K99-MH112855-02	Huda /Rafiq	08/01/17	12/31/19	27,647	256,810	0
		6936758	C	P402000	5-R00-CA204595-05	Spranger-Zimmermann /Stefani	07/12/17	06/30/20	172,893	747,000	(28,438)
		6936765	C	P243021	1-RF1-AG058504-01 REV1	Griffin /Robert Guy	08/01/17	03/31/22	636,398	3,020,660	1,453,184
		6936782	C	P069201	5-P50-GM098792-05	Weiss /Ron	06/01/17	04/30/19	1,903	264,272	0
		6936788	C	P069201	5-P50-GM098792-05	Prather /Kristala L	06/01/17	04/30/19	18	250,980	0

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		6936829	C	P069201	5-U01-NS103470-03	Jasanoff /Alan Pradip	08/01/17	06/30/20	0	0	0
		6936830	C	P069201	1-U01-NS103470-01	Jasanoff /Alan Pradip	08/01/17	06/30/18	0	535,838	(0)
		6936853	C	P152000	5-R01-GM118695-03	Nolan /Elizabeth Marie	05/15/17	07/31/20	64,529	811,422	322,753
		6936881	C	P402000	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	58,212	0
		6936882	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	79,010	0
		6936883	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	174,231	194
		6936885	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	56,695	(0)
		6936886	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	78,895	0
		6936887	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	30,616	0
		6936888	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	52,949	0
		6936889	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	0	0
		6936890	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	95,507	0
		6936891	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	56,649	(0)
		6936892	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	7,382	0
		6936896	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	60,748	0
		6936897	C	P402010	5-U54-CA210180-02	Lauffenburger /Douglas A	08/01/17	07/31/18	0	28,738	0
		6936898	C	P402010	5-U54-CA210180-02	Wittrup /Karl Dane	08/01/17	07/31/18	0	97,272	(0)
		6936899	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	55,000	0
		6936900	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	9,219	0
		6936901	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	214,000	0
		6936902	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	87,500	0
		6936903	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	192,718	0
		6936904	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	8,878	0
		6936905	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	50,342	0
		6936906	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	114,075	0
		6936907	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	186,726	(0)
		6936908	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	138,157	0
		6936961	C	P165000	5P42ES027707-04	Engelward /Bevin P	08/01/17	03/31/21	0	0	0
		6936963	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	60,890	0
		6936965	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	463	0
		6936966	C	P165000	1-P42-ES027707-01	Vandiver /Kathleen	08/01/17	03/31/18	0	32,987	0
		6936967	C	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	2,633	0
		6936969	C	P165000	1-P42-ES027707-01	Hemond /Harold F	08/01/17	03/31/18	0	41,867	0
		6936970	C	P165000	1-P42-ES027707-01	Swager /Timothy M	08/01/17	03/31/18	0	59,050	(0)
		6936972	C	P165000	1-P42-ES027707-01	Kroll /Jesse	08/01/17	03/31/18	0	10,092	(0)
		6936973	C	P165000	1-P42-ES027707-01	Selin /Noelle E	08/01/17	03/31/18	0	79,361	(0)
		6936974	C	P165000	1-P42-ES027707-01	Swager /Timothy M	08/01/17	03/31/18	0	19,010	(0)
		6936976	C	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	63,978	0
		6936978	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	82,473	(0)
		6936980	C	P165000	1-P42-ES027707-01	White /Forest M	08/01/17	03/31/18	0	99,127	(0)
		6936982	C	P165000	5-U24-TR001951-02	Grodzinsky /Alan J	09/01/17	08/31/19	(1,918)	2,249,801	0
		6936983	C	P165000	5-U24-TR001951-02	Grodzinsky /Alan J	09/01/17	08/31/19	1,884	109,946	0
		6936988	C	P402000	5-P01-CA042063-33	Jacks /Tyler E	08/01/17	07/31/20	0	0	0
		6936989	C	P402000	5-P01-CA042063-32	Jacks /Tyler E	08/01/17	07/31/20	285,791	914,282	139,633
		6936990	C	P402000	5-P01-CA042063-32	Jacks /Tyler E	08/01/17	07/31/20	403,010	1,270,206	(63,742)

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		6936991	C	P402000	5-P01-CA042063-32	Sharp /Phillip A	08/01/17	07/31/20	347,660	1,049,106	94,913
		6936992	C	P402000	5-P01-CA042063-32	Lees /Jacqueline	08/01/17	07/31/20	406,152	1,054,135	60,781
		6937020	C	P065004	5-R01-EB024591-04	Del Vecchio /Domitilla	09/01/17	05/31/21	321,170	1,390,377	693,776
		6937029	C	P154500	5-R21-HD090346-02	Saxe /Rebecca R	08/21/17	07/31/20	156,378	437,250	(34,538)
		6937048	C	P154000	5-R01-GM081871-12	Berger Leighton /Bonnie	06/01/17	05/31/21	285,874	1,475,574	422,796
		6937063	C	P039070	5-R01-MH114031-03	Boyden /Edward	08/25/17	06/30/20	408,123	1,616,931	58,876
		6937071	C	P152000	5-R01-AI055258-15	Kiessling /Laura L	07/01/17	04/30/20	441,205	1,405,894	(2,329)
		6937072	C	P152000	5-R01-AI126592-05	Kiessling /Laura L	07/01/17	01/31/21	457,240	1,849,505	492,241
		6937090	C	P402000	5-R35-ES028374-03	Yaffe /Michael B	09/01/17	07/31/20	573,940	1,291,498	(198,009)
		6937105	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	14,232	0
		6937110	C	P039070	5-R01-DA045549-03	Boyden /Edward	09/01/17	07/31/20	307,200	1,623,248	(19,787)
		6937113	C	P151073	3-R35-GM124732-03S1	Li /Gene-Wei	09/01/17	08/31/20	460,157	1,054,588	(61,288)
		6937117	C	P039000	1DP2AI136597-01	Esvelt /Kevin Michael	09/01/17	06/30/22	732,508	2,386,239	981,935
		6937120	C	P159300	5-R01-MH115592-04	Miller /Earl K	09/08/17	05/31/21	427,988	1,573,668	414,411
		6937131	C	P159300	5-R01-NS102730-03	Tsai /Li-Huei	09/15/17	06/30/20	380,359	1,284,620	(24,077)
		6937139	C	P069200	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	0	195,921	(0)
		6937143	C	P165000	5P30ES002109-37	Sikes Johnson /Hadley	08/01/17	03/31/18	0	22,501	0
		6937144	C	P165000	5P30ES002109-37	Kulik /Heather Janine	08/01/17	03/31/18	0	14,033	0
		6937145	C	P165000	5P30ES002109-37	Shoulders /Matthew D.	08/01/17	03/31/18	0	4,706	0
		6937151	C	P159300	5-R01-EY023037-07	Bear /Mark	07/02/17	07/31/20	436,958	1,458,700	108,642
		6937161	C	P062000	5-R01-DE024747-02	Hammond /Paula T	09/01/16	08/31/20	66,533	608,760	295,948
		6937163	C	P267500	1-R21-EB022729-01A1	Fink /Yoel	02/01/17	01/31/20	(0)	187,942	582
		6937172	C	P418103	5-R00-GM115765-05S1	Lamason /Rebecca	09/01/17	08/31/20	236,357	750,785	48,641
		6937177	C	P159300	5-R01-MH115037-03	Choi /Bohyun Gloria	09/12/17	06/30/20	369,093	1,515,634	30,628
		6937186	C	P152000	5-R01-CA220468-03	Johnson /Jeremiah A.	09/13/17	08/31/20	263,454	1,033,785	111,203
		6937187	C	P039070	5-R01-EB024531-03	Herr /Hugh M	07/01/17	05/31/21	291,741	1,185,820	31,500
		6937194	C	P061902	5-T32-EB001680-13	Rosen /Bruce R	09/30/10	08/31/18	0	181,347	(0)
		6937196	C	P151045	5-R01-DK115558-03	Baker /Tania	09/01/17	06/30/21	361,460	1,284,471	543,431
		6937209	C	P069201	5-U01-CA184898-04	Fraenkel /Ernest	06/01/17	05/31/18	0	352,364	0
		6937210	C	P152000	5-R01-GM126376-03	Nolan /Elizabeth Marie	09/01/17	08/31/20	157,482	462,406	28,416
		6937211	C	P069201	5-U01-CA184898-04	Fraenkel /Ernest	06/01/17	05/31/18	0	338,948	0
		6937240	C	P400600	5-U01-MH114819-04	Feng /Guoping	09/20/17	05/31/21	0	145,324	145,324
		6937249	C	P402010	5-U54-CA210180-02 REV	White /Forest M	08/01/17	10/15/18	0	77,431	0
		6937250	C	P165000	5-R35-ES028303-04	Walker /Graham C	09/15/17	05/31/21	457,128	2,153,892	790,473
		6937261	C	P152000	7-R01-AR044276-22 REVISE	Raines /Ronald T	07/01/17	09/19/19	(20,121)	464,050	0
		6937262	C	P152000	5R01CA073808-22 REVISE	Raines /Ronald T	07/01/17	11/30/19	(2,677)	638,637	(0)
		6937269	C	P159300	5-R21-NS105070-02	Nedivi /Elly	09/30/17	08/31/20	116,858	437,250	(13,999)
		6937277	C	P418102	5-R00-AG050749-05	Davis /Joseph Harry	09/01/17	05/31/21	146,205	745,128	239,029
		6937284	C	P400600	1-U01-MH114819-01	Feng /Guoping	09/20/17	06/30/18	(1)	969,326	(0)
		6937290	C	P159300	5-R01-NS104892-03	Flavell /Steven Willem	06/25/17	06/30/20	387,705	1,160,250	(6,931)
		6937294	C	P069201	5-U01-CA214381-02 REVISE	Kamm /Roger Dale	09/30/17	08/31/20	0	0	0
		6937297	C	P152000	5-P41-EB015871-33	So /Peter T. C.	06/18/17	08/31/20	345,125	1,228,163	319,779
		6937298	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/20	8,428	9,540	(7,651)
		6937313	C	P069201	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	0	99,817	0
		6937314	C	P069201	5-U01CA202177-03	So /Peter T. C.	09/01/17	08/31/18	0	64,463	0

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		6937316	C	P069201	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	0	308,671	0
		6937318	C	P069200	3-U01CA202177-03S1	Coughlin /Mark Frederick	09/01/17	08/31/18	0	199,247	0
		6937355	C	P069201	1-R01-CA220468-01	Jasanoff /Alan Pradip	09/13/17	08/31/20	17,353	95,254	13,686
		6937356	C	P152000	1-R01-CA220468-01	Johnson /Jeremiah A.	09/13/17	08/31/20	43,299	202,891	90,995
		6937357	C	P152000	1-R01-CA220468-01	Johnson /Jeremiah A.	09/13/17	08/31/20	61,207	210,741	4,955
		6937372	C	P400600	1-R01-MH115037-01	Harnett /Mark Thomas	09/12/17	06/30/19	(1,304)	54,574	(0)
		6937437	C	P152000	5-R01-GM126376-02	Nolan /Elizabeth Marie	09/01/17	08/31/20	132,486	358,346	122,252
		6937525	C	P061901	1-R01-EB024591-01	Collins /James J.	09/01/17	05/31/20	121,025	546,700	45,870
		6937526	C	P069200	1-R01-EB024591-01	Weiss /Ron	09/01/17	05/31/20	204,786	546,700	(52,704)
		6937590	C	P400600	1-U01-MH114819-01	Boyden /Edward	09/20/17	06/30/18	0	55,564	0
		6937609	C	P152000	1DP2GM128200-01	Schlau-Cohen /Gabriela S	09/30/17	05/31/22	500,951	2,332,603	1,529,469
		6937671	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/20	121,377	291,850	(39,994)
		6937672	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/20	125,626	261,850	(41,376)
		6937673	C	P152000	2-P41-EB015871-31	Schlau-Cohen /Gabriela S	06/18/17	08/31/20	92,636	261,850	(10,522)
		6937674	C	P152000	2-P41-EB015871-31	Bawendi /Moungi G	06/18/17	08/31/20	104,679	261,850	(43,141)
		6937675	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/20	33,002	261,850	70,083
		6937676	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/20	124,302	426,344	95,224
		6937677	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/20	170,369	469,733	73,910
		6937704	C	P165000	5-U24-TR001951-02	Grodzinsky /Alan J	09/01/17	08/31/19	73,693	752,088	0
		6937753	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	25,911	0
		6937776	C	P165000	5-U24-TR001951-02	Grodzinsky /Alan J	09/01/17	08/31/19	8,878	401,964	(0)
		6937852	C	P151070	5-R01GM125646-03 REVIS	Martin /Adam C	01/01/18	12/31/20	318,833	939,849	201,215
		6937885	C	P069201	5-T32-EB019940-04	Jasanoff /Alan Pradip	04/01/18	03/31/19	(43,799)	230,080	68,328
		6937921	C	P151037	5-R01-AI016892-41 REVIS	Sauer /Robert T	04/01/18	03/31/21	572,296	1,681,956	522,540
		6937926	C	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	0	30,045	0
		6937932	C	P267600	5-R33-AI121669-04	Lu /Timothy K	12/01/17	11/30/20	818,632	1,454,207	416,850
		6937943	C	P069201	5-K00-CA212227-05	Shelton /Sarah E	01/01/18	01/31/21	61,747	254,866	101,964
		6937972	C	P159300	5-R01-EY028219-03	Sur /Mriganka	02/01/18	03/31/21	640,384	1,807,296	423,737
		6937975	C	P151065	5-R01-HL140471-03	Boyer /Laurie Ann	09/01/17	01/31/21	447,505	1,792,676	403,249
		6937977	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/30/17	08/31/18	0	233,494	(0)
		6937978	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/30/17	08/31/18	0	305,256	0
		6938039	C	P165000	5UG3TR002186-02 REVIS	Grodzinsky /Alan J	03/01/18	02/28/19	0	0	0
		6938040	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	290,894	0
		6938041	C	P165000	5-UG3-TR002186-02	Cirit /Murat	03/01/18	02/28/19	0	136,953	(0)
		6938042	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	75,747	0
		6938050	C	P243021	5-R01-GM066976-16	Hong /Mei	02/01/18	01/31/21	308,540	904,327	207,144
		6938052	C	P065005	1-R01-DA045549-01	So /Peter T. C.	09/01/17	07/31/20	175,418	494,562	3,832
		6938053	C	P154500	5-R01-NS098505-03	Halassa /Michael	09/01/17	06/30/20	376,127	1,078,458	(6,924)
		6938057	C	P400600	1-R01-MH114031-01	Desimone /Robert	08/25/17	06/30/20	63,698	514,788	(17,624)
		6938072	C	P402000	5R33CA223904-03	Cima /Michael J	02/05/18	01/31/21	188,213	572,228	214,087
		6938094	C	P159300	5-K99-AG055697-03 REVIS	Narayan /Priyanka	07/01/17	06/30/20	43,029	230,256	(2,042)
		6938106	C	P243021	5-R01-EB022062-02	Iwasa /Yukikazu	04/01/17	12/31/20	19,323	204,876	120,092
		6938136	C	P159300	3-R01-EY023037-05S1	Bear /Mark	07/02/17	07/31/20	3,258	102,650	(0)
		6938157	C	P039070	1-R01-EB024531-01	Herr /Hugh M	07/01/17	05/31/21	0	75,585	0

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		6938169	C	P400600	5-R01-NS106031-03	Harnett /Mark Thomas	04/01/18	03/31/21	329,604	1,043,439	351,852
		6938188	C	P402000	1R33CA223904-01	Cima /Michael J	02/05/18	01/31/21	262,178	658,010	125,965
		6938210	C	P243021	2R01GM066976-14A1	Hong /Mei	02/01/18	01/31/21	2,943	99,000	87,991
		6938217	C	P243021	2R01GM066976-14A1	Hong /Mei	02/01/18	01/31/21	4,813	16,800	3,211
		6938228	C	P159300	1K08MH116135-02	Kimchi /Eyal Yaacov	03/01/18	08/31/19	30,521	261,306	(0)
		6938230	C	P067952	5-R01-CA218094-03	Gifford /David K	03/09/18	02/28/21	860,358	1,755,656	596,122
		6938243	C	P039070	1-R01-DA045549-01	Boyden /Edward	03/01/18	07/31/20	19,790	539,489	84,583
		6938244	C	P159300	4DP2DK102256-02 REVISE	Tye /Kay M.	04/01/18	08/31/19	69,650	433,667	2,620
		6938250	C	P067952	7R01HG008155-04	Kellis /Manolis	11/01/17	07/31/19	276,582	806,458	0
		6938256	C	P039070	1-R01-DA045549-01	Boyden /Edward	01/08/18	07/31/19	0	0	0
		6938283	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	976	0
		6938284	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	7,076	0
		6938285	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	0	0
		6938286	C	P165000	5P30ES002109-38	Kulik /Heather Janine	04/01/18	12/31/18	0	24,966	0
		6938287	C	P165000	5P30ES002109-38	Shoulders /Matthew D.	04/01/18	12/31/18	0	34,294	(0)
		6938288	C	P165000	5P30ES002109-38	Sikes Johnson /Hadley	04/01/18	12/31/18	0	16,500	(0)
		6938289	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	0	0
		6938290	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	(6,668)	269,941	0
		6938291	C	P165000	5P30ES002109-38	Vandiver /Kathleen	04/01/18	03/31/19	0	99,236	0
		6938292	C	P165000	5P30ES002109-38	Fox /James G	04/01/18	03/31/19	0	178,514	0
		6938293	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	96,891	0
		6938294	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	79,094	(0)
		6938295	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	16,047	0
		6938298	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	0	0
		6938312	C	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/18	03/31/19	0	0	0
		6938313	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	0	65,261	0
		6938316	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	0	8,015	0
		6938317	C	P165000	5 P42 ES027707-02	Vandiver /Kathleen	04/01/18	03/31/19	0	45,855	0
		6938318	C	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	0	0
		6938320	C	P165000	5 P42 ES027707-02	Hemond /Harold F	04/01/18	03/31/19	0	85,919	0
		6938321	C	P165000	5 P42 ES027707-02	Swager /Timothy M	04/01/18	03/31/19	0	75,838	0
		6938323	C	P165000	5 P42 ES027707-02	Kroll /Jesse	04/01/18	03/31/19	0	106,904	0
		6938324	C	P165000	5 P42 ES027707-02	Selin /Noelle E	04/01/18	03/31/19	0	69,626	0
		6938325	C	P165000	5 P42 ES027707-02	Swager /Timothy M	04/01/18	03/31/19	0	66,033	(0)
		6938326	C	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	170,129	(0)
		6938328	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	0	116,664	(0)
		6938330	C	P165000	5 P42 ES027707-02	White /Forest M	04/01/18	03/31/19	0	164,320	0
		6938389	C	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	125,050	0
		6938411	C	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/18	03/31/19	1,074	1,583,417	(0)
		6938412	C	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/18	03/31/19	0	73,623	(0)
		6938433	C	P069201	5-U01-CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	556,606	0
		6938459	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	0	0

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		6938460	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	230,049	0
		6938461	C	P165000	5-UG3-TR002186-02	Cirit /Murat	03/01/18	02/28/19	0	158,862	(0)
		6938475	C	P402000	5-R01-GM034277-35	Sharp /Phillip A	06/01/18	05/31/21	520,779	1,653,245	583,007
		6938487	C	P243021	1S10OD023513-01A1	Griffin /Robert Guy	03/15/18	03/14/21	0	1,000,000	400,000
		6938490	C	P039070	1 K99 GM126277-02 REVIS	Sarkar /Deblina	04/01/18	03/30/20	28,585	170,244	0
		6938494	C	P402000	5-K99-CA226396-02	Creixell Morera /Pau	09/01/18	08/31/20	129,866	265,854	23,538
		6938534	C	P154500	5-R01-MH107680-05	Halassa /Michael	02/01/18	04/30/21	380,131	1,030,470	256,741
		6938566	C	P402000	2-P30-CA014051-47	Jacks /Tyler E	05/01/18	04/30/19	(1,162)	375,128	0
		6938567	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	114,229	0
		6938568	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	0	0
		6938569	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	0	0
		6938570	C	P402000	2-P30-CA014051	Yilmaz /Omer	05/01/18	04/30/19	0	7,505	0
		6938571	C	P402000	2-P30-CA014051	Birnbaum /Michael E	05/01/18	04/30/19	0	259,103	(0)
		6938572	C	P402000	2-P30-CA014051	Spranger-Zimmermann /Stefani	05/01/18	04/30/19	0	194,377	0
		6938574	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	296,803	(0)
		6938579	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	0	0
		6938580	C	P402000	2-P30-CA014051	Hemann /Michael	05/01/18	04/30/19	0	60,317	0
		6938581	C	P402000	2-P30-CA014051	Hammond /Paula T	05/01/18	04/30/19	0	29,334	0
		6938582	C	P402000	2-P30-CA014051	Manalis /Scott R	05/01/18	04/30/19	0	54,225	0
		6938583	C	P402000	2-P30-CA014051	Birnbaum /Michael E	05/01/18	04/30/19	0	82,325	0
		6938584	C	P402000	2-P30-CA014051	Hynes /Richard O	05/01/18	04/30/19	(467)	116,457	0
		6938585	C	P402000	2-P30-CA014051	White /Forest M	05/01/18	04/30/19	0	2,161	(0)
		6938586	C	P402000	2-P30-CA014051	White /Forest M	05/01/18	04/30/19	0	28,749	0
		6938587	C	P402000	2-P30-CA014051	White /Forest M	05/01/18	04/30/19	0	78,851	0
		6938588	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	266,029	(0)
		6938589	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	396,754	(0)
		6938590	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	312,370	0
		6938591	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	139,050	0
		6938592	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	203,759	0
		6938593	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	279,360	0
		6938594	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	291,841	0
		6938595	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	174,787	0
		6938596	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	173,910	0
		6938599	C	P069201	1-U01-NS103470-01	Jasanoff /Alan Pradip	04/01/18	06/30/19	(20,791)	507,010	(0)
		6938600	C	P069201	5-U01-CA184898-05	Fraenkel /Ernest	06/01/18	05/31/19	(10,763)	192,314	0
		6938601	C	P069201	5-U01-CA184898-05	Fraenkel /Ernest	06/01/18	05/31/19	63,943	338,949	0
		6938602	C	P400600	1-R01-MH111916-03	Desimone /Robert	05/08/18	02/28/21	142,315	499,560	292,187
		6938614	C	P159300	5-K99-DA045103-02	Siciliano /Cody A	05/15/18	04/30/20	36,936	244,513	0
		6938622	C	P400600	5-R01-DC016607-03	Fedorenko /Evelina G	05/21/18	04/30/21	334,861	1,192,500	336,842
		6938623	C	P066000	1-R21-NS102762-01	Van Vliet /Krystyn J	07/01/17	06/30/19	35,000	89,750	(0)
		6938689	C	P067952	5-R01-MH109978-05	Kellis /Manolis	09/02/17	02/28/21	358,833	1,477,036	328,370
		6938698	C	P151074	5-R35-GM126982-03	Drennan /Catherine L	05/01/18	04/30/21	268,116	888,092	369,353
		6938715	C	P402000	5-U54-CA217377-02 REVIS	Manalis /Scott R	05/01/18	04/30/19	0	103,382	(0)
		6938716	C	P402000	5-U54-CA217377-02	Koehler /Angela Nicole	05/01/18	04/30/19	(34)	66,102	0
		6938717	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	199,626	0

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		6938718	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	(5,242)	144,060	0
		6938719	C	P402000	5-U54-CA217377-02	Lauffenburger /Douglas A	05/01/18	04/30/19	0	227,441	0
		6938720	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	6,296	43,575	0
		6938721	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	0	0
		6938722	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	525,000	(0)
		6938723	C	P402000	5-U54-CA217377-02	Manalis /Scott R	02/01/18	04/30/19	0	269,077	(0)
		6938725	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	727	20,601	0
		6938728	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	7,105	210,405	0
		6938730	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	19,725	0
		6938733	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	8,891	210,405	0
		6938737	C	P067900	1-R01-MH111916-01A1	Fisher /John W	05/08/18	02/28/21	292,471	636,921	(12,119)
		6938752	C	P152000	3-R01-GM044783-27S2	Raines /Ronald T	07/01/18	09/30/20	282,583	836,746	24,162
		6938756	C	P039070	5-R01-NS102727-02	Boyden /Edward	05/01/18	03/31/20	21,093	100,000	51
		6938768	C	P402012	5-U01-CA184897-05	Gertler /Frank	06/01/18	05/31/20	5	192,459	(0)
		6938769	C	P151054	5-U01-CA184897-05	Burge /Christopher B	06/01/18	05/31/20	82,299	163,266	(122)
		6938770	C	P402012	5-U01-CA184897-05	Gertler /Frank	06/01/18	05/31/20	61,937	302,250	0
		6938782	C	P402000	5-R01-EB025854-03	Irvine /Darrell J	06/15/18	03/31/21	227,950	842,668	180,616
		6938784	C	P068800	2-T32-GM008334-30	Wittrup /Karl Dane	07/01/18	06/30/20	436,382	481,930	(535,135)
		6938811	C	P151000	5-T32-GM087237-10	Burge /Christopher B	07/01/18	06/30/19	(488)	269,154	0
		6938829	C	P165000	5P30ES002109-38	Belcher /Angela M	06/01/18	03/31/19	0	25,628	0
		6938830	C	P165000	5P30ES002109-38	Kocar /Benjamin David	06/01/18	03/31/19	0	16,437	(0)
		6938831	C	P165000	5P30ES002109-38	Kroll /Jesse	06/01/18	03/31/19	(1,973)	15,696	0
		6938832	C	P165000	5P30ES002109-38	Ortony /Julia H	06/01/18	03/31/19	0	38,996	0
		6938833	C	P165000	5P30ES002109-38	Boyer /Laurie Ann	06/01/18	03/31/19	0	38,999	(0)
		6938834	C	P067952	5-R01-AG058002-03	Kellis /Manolis	03/15/18	05/31/20	3,168,730	3,524,401	(413,401)
		6938860	C	P151039	5-T32-GM007287-44	Bell /Stephen P	07/01/18	06/30/19	(3,656)	1,794,999	(0)
		6938861	C	P151039	5-T32-GM007287-44	Bell /Stephen P	07/01/18	06/30/19	0	0	0
		6938867	C	P165000	5-T32-ES007020-44	Essigmann /John M	07/01/18	06/30/19	671	311,531	(0)
		6938875	C	P243021	5-R21-GM129688-02	Park /Dongkeun	07/01/18	06/30/21	173,311	300,491	2,477
		6938877	C	P069201	1-R01-EB025854-01	Weiss /Ron	06/15/18	03/31/21	327,563	689,774	72,854
		6938903	C	P159300	1-R01-MH115920-01	Tye /Kay M.	06/26/18	03/31/19	215	266,232	0
		6938904	C	P243021	5-R01-EB001965-16	Temkin /Richard J	07/01/18	04/30/21	467,622	1,609,596	604,821
		6938927	C	P400600	1-U01-MH114819-01	Feng /Guoping	07/01/18	05/31/19	(30,477)	1,244,574	(0)
		6938945	C	P400600	5-U01-MH108168-03	Desimone /Robert	07/01/18	06/30/19	0	34,317	13,772
		6938946	C	P400600	5-U01-MH108168-04	Whitfield-Gabrieli /Susan	07/01/18	06/30/20	161,388	929,150	(17,181)
		6938952	C	P400600	1-U01-MH114819-01	Boyden /Edward	07/01/18	05/31/19	(6,906)	178,595	0
		6938954	C	P402000	5-R33-CA191143-03 REVISE	Manalis /Scott R	05/01/18	04/30/20	0	20,349	0
		6938983	C	P159300	7-R01-AG058002-02	Tsai /Li-Huei	03/15/18	05/31/20	568,407	1,255,424	104,901
		6938984	C	P165000	5-T32-ES007020-44	Essigmann /John M	07/01/18	06/30/19	0	0	0
		6939014	C	P069201	5-R01-EB025256-03	Weiss /Ron	07/17/18	03/31/21	452,959	1,137,627	93,371
		6939048	C	P267500	3 R01-MH111872-02S1	Anikeeva /Polina Olegovna	03/20/18	06/30/20	3,264	53,869	2
		6939049	C	P267500	3 R01-MH111872-02S1	Anikeeva /Polina Olegovna	03/20/18	06/30/20	58,860	86,191	16,566
		6939103	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	(2,626)	61,591	0
		6939104	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	10,226	79,000	0
		6939105	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	39,601	39,601	0

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		6939106	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	198	6,765	0
		6939107	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	783	0
		6939108	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	36,531	36,531	0
		6939109	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	0	0
		6939110	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	10,441	10,441	0
		6939113	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	47,069	47,069	0
		6939114	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	21,061	111,121	(0)
		6939115	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	2,218	2,218	0
		6939117	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	25,726	67,502	0
		6939118	C	P402000	5-U54-CA210180-03	Lauffenburger /Douglas A	08/01/18	07/31/19	26,900	148,064	0
		6939119	C	P402000	5-U54-CA210180-03	Wittrup /Karl Dane	08/01/18	07/31/19	9,427	87,012	0
		6939120	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	6,240	55,001	0
		6939121	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	11,150	29,243	0
		6939122	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	64,364	214,000	0
		6939123	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	58,018	58,018	0
		6939124	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	29,079	180,200	0
		6939125	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	39,965	51,686	0
		6939126	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	28,305	98,073	0
		6939127	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	129,506	212,520	0
		6939128	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	46,306	274,953	0
		6939129	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	28,014	124,449	0
		6939145	C	P400600	5-K99-NS107639-02	Schwerdt /Helen N	08/01/18	07/31/20	92,537	187,056	23,904
		6939168	C	P402000	5-R01-EB000244-41	Langer /Robert S	08/07/18	04/30/21	709,984	1,816,482	132,658
		6939193	C	P243021	1-RF1-AG059661-01 REVISE	Hong /Mei	07/01/18	03/31/23	386,418	1,803,825	1,242,142
		6939211	C	P165000	5-R21-EB026008-02	Bathe /Mark	08/15/18	06/30/21	211,692	426,250	(46,682)
		6939254	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	28,541	0
		6939270	C	P243021	2-R01-EB001965-14	Temkin /Richard J	07/01/18	04/30/21	55,653	174,000	(7,576)
		6939295	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	9,842	184,884	0
		6939296	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	62,652	143,632	0
		6939297	C	P069201	5-U01CA202177-04	So /Peter T. C.	09/01/18	08/31/19	1,306	90,000	0
		6939298	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	33,951	33,951	0
		6939299	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	104,483	269,829	0
		6939302	C	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/18	03/31/19	0	8,200	0
		6939303	C	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/18	03/31/19	0	4,178	0
		6939304	C	P165000	5P42ES027707-02 REVISE	Vandiver /Kathleen	04/01/18	03/31/19	0	13,632	0
		6939305	C	P165000	5P42ES027707-02 REVISE	Essigmann /John M	04/01/18	03/31/19	0	0	0
		6939307	C	P165000	5P42ES027707-02 REVISE	Hemond /Harold F	04/01/18	03/31/19	0	58,173	(0)
		6939308	C	P165000	5P42ES027707-02 REVISE	Swager /Timothy M	04/01/18	03/31/19	0	14,736	(0)
		6939309	C	P165000	5P42ES027707-02 REVISE	Kroll /Jesse	04/01/18	03/31/19	0	0	0
		6939310	C	P165000	5P42ES027707-02 REVISE	Kroll /Jesse	04/01/18	03/31/19	0	103,045	0
		6939311	C	P165000	5P42ES027707-02 REVISE	Selin /Noelle E	04/01/18	03/31/19	0	29,721	0
		6939312	C	P165000	5P42ES027707-02 REVISE	Swager /Timothy M	04/01/18	03/31/19	0	44,464	(0)
		6939313	C	P165000	5P42ES027707-02 REVISE	Essigmann /John M	04/01/18	03/31/19	0	171,031	0
		6939314	C	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/18	03/31/19	0	189,888	(0)
		6939315	C	P165000	5P42ES027707-02 REVISE	White /Forest M	04/01/18	03/31/19	0	60,332	0

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		6939316	C	P152000	5R35GM122483-02S1	Buchwald /Stephen Leffler	06/01/18	05/31/20	50,000	50,000	0
		6939317	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	58,351	223,924	0
		6939323	C	P061902	5T32EB001680-14	Rosen /Bruce R	09/01/18	08/31/19	17,882	182,976	9,997
		6939334	C	P151059	3-R01-GM129007-02S1	Keating /Amy E	09/01/18	08/31/20	275,586	671,584	179,405
		6939337	C	P400600	5-U24-OD026638-02	Feng /Guoping	09/01/18	07/31/20	700,289	1,590,000	38,344
		6939340	C	P243021	2R01GM066976-14A1S1	Hong /Mei	02/01/18	04/30/19	0	52,259	0
		6939345	C	P061902	5-T32-EB001680-14	Rosen /Bruce R	09/01/18	08/31/19	0	9,650	9,650
		6939346	C	P159300	5-K99-EY029326-02 REVIS	Fong /Ming-fai	08/05/18	07/31/21	99,356	189,900	13,192
		6939351	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	87,381	300,421	0
		6939352	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	33,170	178,107	(0)
		6939360	C	P402000	5-K99-CA234221-02	Lau /Allison N.	09/01/18	08/31/20	102,522	237,214	33,560
		6939370	C	P165000	5-T32-ES007020-45	Essigmann /John M	07/01/19	06/30/20	278,576	715,781	437,205
		6939371	C	P165000	5-T32-ES007020-45	Essigmann /John M	07/01/19	06/30/20	0	39,558	39,558
		6939373	C	P243021	3-R01-EB002804-30S1	Griffin /Robert Guy	04/01/15	04/30/19	(430)	230,485	(0)
		6939412	C	P165000	3-P30-ES002109-38S1	Essigmann /John M	04/01/18	03/31/19	0	16,536	(0)
		6939415	C	P069201	3-U01-CA202177-04S1	Coughlin /Mark Frederick	07/01/18	08/31/19	27,668	200,345	0
		6939416	C	P062000	5-R01-EB026344-03	Hammond /Paula T	09/15/18	05/31/21	232,109	860,973	349,230
		6939427	C	P152000	5-U01-CA231079-02	Kiessling /Laura L	09/01/18	08/31/20	0	0	0
		6939428	C	P152000	1-U01-CA231079-01	Kiessling /Laura L	09/01/18	08/31/19	11,639	176,821	0
		6939429	C	P151072	1-U01-CA231079-01	Imperiali /Barbara	09/01/18	08/31/19	95,129	221,793	(0)
		6939440	C	P402000	5-K99-CA226400-02 REVIS	Jin /Chengcheng	09/01/18	08/31/20	164,686	252,450	(4,492)
		6939441	C	P402000	5-K99-EB025254-02	Bose /Suman	09/01/18	08/31/20	80,962	178,440	35,318
		6939443	C	P402000	5-R01-EB000244-41	Langer /Robert S	08/07/18	04/30/21	446,135	1,511,171	833,670
		6939472	C	P067952	5-R01-AG062335-03	Kellis /Manolis	09/30/18	05/31/21	1,752,850	2,980,449	1,116,943
		6939473	C	P402000	5-U54-CA217377-02 REVIS	Manalis /Scott R	05/01/18	04/30/19	0	29,354	0
		6939480	C	P154500	5-R01-EY020517-08	Sinha /Pawan	07/01/18	06/30/20	249,212	1,126,611	705,507
		6939485	C	P159300	1-RF1-AG062377-01 REVIS	Tsai /Li-Huei	09/30/18	03/31/23	204,239	2,188,594	1,469,486
		6939504	C	P159300	5-R01-EY029245-02	Bear /Mark	09/30/18	07/31/20	692,093	1,248,436	25,739
		6939517	C	P165000	5-T32-ES007020-44	Essigmann /John M	07/01/18	06/30/19	199	257,023	0
		6939528	C	P159300	5-K99-MH116100-02 REVIS	Bastos /Andre M	09/07/18	04/15/21	137,357	258,984	29,747
		6939529	C	P267111	5-R01-DC000238-33	Freeman /Dennis M	08/07/18	11/30/20	13	97,206	49,252
		6939533	C	P152000	3R01GM074825-12S1	Movassaghi /Mohammad	02/01/18	01/31/21	2,204	183,183	0
		6939555	C	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	97,343	(0)
		6939556	C	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	15,786	0
		6939574	C	P400600	1 RF1 MH117809-01	Fee /Michale Sean	09/21/18	09/20/21	660,186	1,915,889	1,019,917
		6939576	C	P069201	1-UF-1NS107712-01 REVIS	Jasanoff /Alan Pradip	09/30/18	09/29/21	659,129	1,377,717	221,750
		6939577	C	P067952	3-R01-HG008754-03S1	Gifford /David K	09/19/18	06/30/21	86,890	211,686	73,356
		6939595	C	P152000	5-P41-EB015871-32	So /Peter T. C.	06/18/17	05/31/20	71,263	76,000	1,351
		6939635	C	P154000	3-R01-GM081871-10S1	Berger Leighton /Bonnie	06/01/18	05/31/19	0	86,325	0
		6939640	C	P159300	1-R01-AG062335-01	Tsai /Li-Huei	09/30/18	05/31/21	267,933	920,003	375,272
		6939647	C	P154500	5-P30-EY002621-42-REVIS	DiCarlo /James	09/30/18	06/30/20	0	8,594	8,594
		6939648	C	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	0	8,350	0
		6939681	C	P069201	1-R01-EB026344-01	Grodzinsky /Alan J	09/15/18	05/31/21	356,409	779,446	338,404
		6939689	C	P067952	1-U01-NS110453-02	Kellis /Manolis	09/30/18	08/31/20	0	0	0

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		6939690	C	P067952	1-U01-NS110453-01	Kellis /Manolis	09/30/18	08/31/20	(92)	0	1
		6939701	C	P159300	3-R01-EY025437-04S1	Nedivi /Elly	06/01/18	05/31/19	(1,936)	103,350	(0)
		6939710	C	P402000	3-U54-CA210180-03S1	White /Forest M	08/01/18	07/31/19	107,900	107,900	0
		6939713	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	0	0
		6939714	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	6,361	69,848	0
		6939715	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	13,488	17,423	0
		6939736	C	P159300	5-U01-MH117072-03	Chung /Kwanghun	08/22/18	05/31/21	0	209,714	209,714
		6939737	C	P159300	1-U01-MH117072-01	Chung /Kwanghun	08/22/18	05/31/19	233,946	1,236,639	0
		6939741	C	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	(2,664)	316,061	0
		6939742	C	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	0	7,535	0
		6939743	C	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	(8,981)	129,187	0
		6939750	C	P067952	1-U01-NS110453-01	Kellis /Manolis	09/30/18	08/31/20	(492,152)	883,029	(546)
		6939751	C	P159300	1-U01-NS110453-01	Tsai /Li-Huei	09/30/18	08/31/20	282,426	931,099	233,302
		6939775	C	P061902	3T32EB001680-14S1	Rosen /Bruce R	09/01/18	08/31/19	8,093	45,724	1,364
		6939814	C	P061901	2R56EB017205-05	Mark /Roger G	07/19/18	08/31/19	54,126	512,381	0
		6939872	C	P243021	1-R21-GM129688-01	Park /Dongkeun	07/01/18	06/30/20	8,957	75,000	3,163
		6939904	C	P267500	5-R01-MH111872-03	Anikeeva /Polina Olegovna	07/01/16	06/30/21	124,119	159,227	35,108
		6939931	C	P400600	3-R01-DC016607-01A1S1	Fedorenko /Evelina G	11/01/18	04/30/21	103,589	158,940	2,576
		6939978	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	40,655	0
		6939993	C	P152000	5-R01-GM089732-10 REVISE	Movassaghi /Mohammad	12/01/18	11/30/20	419,069	911,700	313,051
		6940025	C	P402000	5-R01-CA226898-02	Yaffe /Michael B	12/07/18	11/30/20	0	53,651	53,651
		6940048	C	P402000	2-R01-CA168653-06A1 RE	Vander Heiden /Matthew G.	12/13/18	11/30/19	226,724	451,944	(0)
		6940068	C	P069201	5T32EB019940-05	Jasanoff /Alan Pradip	04/01/19	08/31/20	134,034	133,961	(30,274)
		6940080	C	P400600	5-R01-EY029666-02 REVISE	Desimone /Robert	01/01/19	12/31/20	420,415	996,078	394,666
		6940099	C	P151070	2R01GM105984-07 REVISE	Martin /Adam C	01/01/19	12/31/20	363,536	659,353	234,974
		6940206	C	P151072	5-R01-GM131627-02 REVISE	Imperiali /Barbara	02/01/19	01/31/21	269,298	652,161	336,685
		6940230	C	P402000	1-R01-CA226898-01A1	Yaffe /Michael B	12/07/18	11/30/20	263,841	446,877	97,971
		6940231	C	P402000	1-R01-CA226898-01A1	Hemann /Michael	12/07/18	11/30/20	178,284	340,000	48,629
		6940247	C	P152000	5-P41-EB015871-32	So /Peter T. C.	06/18/17	09/30/20	2,360	48,810	20,033
		6940264	C	P151054	1-R01-CA226898-01A1	Burge /Christopher B	12/07/18	11/30/20	100,059	232,466	125,908
		6940306	C	P402000	5-R01-AI111860-05	Irvine /Darrell J	04/01/14	12/31/19	284,885	284,885	0
		6940331	C	P067952	1-RF1-AG062377-01 REVISE	Kellis /Manolis	09/30/18	06/30/23	959,074	1,424,674	452,005
		6940355	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	7,862	7,862	0
		6940367	C	P159300	5-R01-MH104536-07 REVISE	Littleton /J. Troy	12/01/18	12/31/20	564,052	770,000	(71,476)
		6940394	C	P159300	1-U19-AI131135-01	Chung /Kwanghun	04/01/18	03/31/19	0	1,617	0
		6940415	C	P039070	5-R01-HD097135-02	Herr /Hugh M	03/14/19	02/28/21	535,270	1,178,958	397,173
		6940433	C	P152000	3-R01-GM044783-26S1	Raines /Ronald T	07/01/18	09/30/20	133,822	137,219	3,397
		6940450	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	0	0	0
		6940451	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	346,122	549,179	79,035
		6940453	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	60,005	84,750	7,911
		6940460	C	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/19	03/31/20	50,201	69,050	6,493
		6940463	C	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/19	03/31/20	8,147	11,475	(0)
		6940464	C	P165000	5P42ES027707-02 REVISE	Vandiver /Kathleen	04/01/19	03/31/20	45,139	55,846	0
		6940465	C	P165000	5P42ES027707-02 REVISE	Essigmann /John M	04/01/19	03/31/20	138	8,443	8,305

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		6940467	C	P165000	3P42ES027707-03	Hemond /Harold F	04/01/19	03/31/20	75,571	123,938	22,744
		6940468	C	P165000	5P42ES027707-02 REVISE	Swager /Timothy M	04/01/19	03/31/20	44,124	75,767	22,474
		6940470	C	P165000	3P24ES027707-03	Kroll /Jesse	04/01/19	03/31/20	79,803	118,938	19,570
		6940471	C	P165000	3P24ES027707-03	Selin /Noelle E	04/01/19	03/31/20	67,695	114,654	(254)
		6940472	C	P165000	5P42ES027707-02 REVISE	Swager /Timothy M	04/01/19	03/31/20	35,628	65,486	14,058
		6940473	C	P165000	5P42ES027707-02 REVISE	Essigmann /John M	04/01/19	03/31/20	201,631	257,435	(53)
		6940474	C	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/19	03/31/20	116,538	248,666	75,126
		6940475	C	P165000	5P42ES027707-02 REVISE	White /Forest M	04/01/19	03/31/20	148,679	149,387	(0)
		6940481	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	0	0
		6940483	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	45,482	225,912	59,507
		6940484	C	P165000	5P30ES002109-39	Vandiver /Kathleen	04/01/19	03/31/20	59,748	125,454	24,762
		6940485	C	P165000	5P30ES002109-39	Fox /James G	04/01/19	03/31/20	112,237	150,256	(20,279)
		6940486	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	36,554	177,726	114,116
		6940487	C	P165000	5P30ES002109-39	Levine /Stuart S.	04/01/19	03/31/20	103,777	151,111	28,932
		6940488	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	13,151	64,709	46,980
		6940492	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	78,000	78,000
		6940554	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	04/01/19	05/31/20	1,028,975	938,469	(273,718)
		6940564	C	P069201	5 U01 CA215798-03	Lauffenburger /Douglas A	04/01/19	03/31/20	68,992	126,527	287
		6940570	C	P069201	5 U01 CA215798-03	Lauffenburger /Douglas A	04/01/19	05/31/20	659,494	675,914	6,587
		6940578	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/28/20	28	30,644	0
		6940591	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	0	0
		6940592	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	25,254	25,300	46
		6940593	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	2,817	131,600	128,783
		6940594	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	64	64
		6940595	C	P165000	5P30ES002109-39	Belcher /Angela M	04/01/19	03/31/20	7,936	13,347	0
		6940597	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	01/31/19	0	959	(0)
		6940598	C	P165000	5P30ES002109-39	Kroll /Jesse	04/01/19	03/31/20	21,482	23,304	254
		6940600	C	P165000	5P30ES002109-39	Essigmann /John M	04/01/19	03/31/20	24,407	60,964	29,123
		6940645	C	P061901	1-U01-MH117072-01	Chung /Kwanghun	12/21/18	01/10/19	10,669	10,669	0
		6940659	C	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	1,150,962	1,607,522	274,830
		6940660	C	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	80,820	85,107	(18,650)
		6940703	C	P400600	5-U01-MH108168-04S1	Whitfield-Gabrieli /Susan	09/16/15	06/30/20	306,004	361,542	55,538
		6940725	C	P165000	5-R01-EB017755-06	Ribbeck /Katharina	05/01/19	01/31/21	385,843	624,274	231,038
		6940730	C	P165000	2-R01-EB017755-05	Ribbeck /Katharina	05/01/19	01/31/21	49,524	318,760	269,236
		6940739	C	P243021	5-R01-GM132997-32	Griffin /Robert Guy	05/01/19	05/31/21	448,831	1,043,660	463,539
		6940760	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	53,545	80,347	24,372
		6940761	C	P402000	5-U54-CA217377-03	Koehler /Angela Nicole	05/01/19	04/30/20	53,745	62,274	8,529
		6940762	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	99,428	117,959	13,271
		6940763	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	118,660	140,892	22,232
		6940764	C	P402000	5-U54-CA217377-03	Lauffenburger /Douglas A	05/01/19	04/30/20	134,158	203,399	69,241
		6940769	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	33,021	48,147	3,271
		6940770	C	P402000	5-U54-CA217377-03	Lauffenburger /Douglas A	05/01/19	04/30/20	39,217	42,268	3,051
		6940771	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	404,608	553,957	72,647
		6940773	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	127,989	159,648	30,104

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		6940774	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	153,614	154,445	151
		6940776	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	205,222	204,093	(1,129)
		6940780	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	120,603	204,093	83,490
		6940877	C	P067952	1-U01-MH119509-01	Kellis /Manolis	06/01/19	05/31/20	335,006	335,674	668
		6940879	C	P159300	5-U01-MH117072-02	Chung /Kwanghun	06/01/19	05/31/20	1,946,547	2,027,725	29,484
		6940881	C	P069201	5-R01-AI141543-02	Niles /Jacquin	06/03/19	05/31/21	187,365	753,917	566,552
		6940912	C	P069201	5-U01-NS103470-03	Jasanoff /Alan Pradip	04/01/19	06/30/20	434,271	507,010	2,188
		6940913	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	926	43,997	0
		6940914	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	16,728	16,728	0
		6940951	C	P159300	5-R21-MH120440-02	Littleton /J. Troy	06/01/19	04/30/21	277,677	426,250	148,573
		6940954	C	P154500	1-R01-DC017970-01	McDermott /Joshua Hartman	08/01/19	08/31/20	208,664	337,875	129,211
		6940975	C	P402000	1-U01-CA238720-01	White /Forest M	06/01/19	05/31/20	173,088	182,798	9,710
		6940976	C	P402000	1-U01-CA238720-01	White /Forest M	06/01/19	05/31/20	47,976	101,228	53,252
		6940990	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	367,776	384,213	16,437
		6940993	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	111,448	120,395	8,947
		6940994	C	P402000	2-P30-CA014051-48	Birnbaum /Michael E	05/01/19	04/30/20	47,489	47,608	120
		6940995	C	P402000	2-P30-CA014051-48	Spranger-Zimmermann /Stefani	05/01/19	04/30/20	393,996	562,397	168,401
		6940998	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	319,435	330,304	10,869
		6941002	C	P402000	2-P30-CA014051-48	Manalis /Scott R	05/01/19	04/30/20	61,303	62,775	1,472
		6941003	C	P402000	2-P30-CA014051-48	Birnbaum /Michael E	05/01/19	04/30/20	33,743	34,674	931
		6941004	C	P402000	2-P30-CA014051-48	Belcher /Angela M	05/01/19	04/30/20	117,379	117,000	(379)
		6941005	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	412,538	403,043	(9,495)
		6941006	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	400,490	403,662	3,172
		6941007	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	320,584	321,330	746
		6941008	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	128,007	131,907	3,900
		6941009	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	141,258	140,931	(327)
		6941010	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	268,239	286,296	18,057
		6941011	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	294,349	293,985	(364)
		6941012	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	163,715	164,409	694
		6941013	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	178,140	178,691	551
		6941015	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	166,331	166,220	(111)
		6941022	C	P062000	5-R01-CA235740-02	Doyle /Patrick S	06/10/19	05/31/21	272,521	720,388	447,867
		6941046	C	P152000	5-P41-EB015871-33	So /Peter T. C.	09/18/17	08/31/20	23,078	30,000	0
		6941049	C	P151020	5-R01-GM031030-38	Walker /Graham C	07/01/19	06/30/21	335,182	832,478	497,296
		6941050	C	P069201	5-U01-CA184898-06	Fraenkel /Ernest	06/01/19	05/31/21	228,884	221,769	(7,115)
		6941051	C	P069201	5-U01-CA184898-06	Fraenkel /Ernest	06/01/19	05/31/21	230,089	250,030	19,941
		6941055	C	P165000	2-R01-EB017755-05	Kiessling /Laura L	05/01/19	01/31/21	139,814	209,000	69,186
		6941056	C	P159300	1-U01-MH119509-01	Tsai /Li-Huei	06/01/19	05/31/20	286,217	289,308	3,090
		6941065	C	P400600	5-U01-MH114819-03	Feng /Guoping	06/01/19	05/31/20	1,244,496	1,244,574	78
		6941066	C	P400600	5-U01-MH114819-03	Boyden /Edward	06/01/19	05/31/20	120,315	120,000	(315)
		6941080	C	P165000	5P42ES027707-03 REVISE	Engelward /Bevin P	04/01/19	03/31/20	6,640	6,828	188
		6941081	C	P165000	5P42ES027707-03 REVISE	Engelward /Bevin P	04/01/19	03/31/20	779	779	(0)
		6941082	C	P165000	5P42ES027707-03 REVISE	Vandiver /Kathleen	04/01/19	03/31/20	6,972	6,972	(0)
		6941083	C	P165000	5P42ES027707-03 REVISE	Essigmann /John M	04/01/19	03/31/20	0	0	0
		6941084	C	P165000	5P42ES027707-03 REVISE	Hemond /Harold F	04/01/19	03/31/20	38,165	38,165	0

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		6941085	C	P165000	5P42ES027707-03 REVISE	Kroll /Jesse	04/01/19	03/31/20	10,913	10,907	(6)
		6941086	C	P165000	5P42ES027707-03 REVISE	Selin /Noelle E	04/01/19	03/31/20	43,758	43,895	137
		6941087	C	P165000	5P42ES027707-03 REVISE	Essigmann /John M	04/01/19	03/31/20	95,480	95,400	(80)
		6941088	C	P165000	5P42ES027707-03 REVISE	Engelward /Bevin P	04/01/19	03/31/20	120,728	120,724	(4)
		6941092	C	P402000	1-R21-CA236685-01	Manalis /Scott R	09/01/19	08/31/20	104,634	106,335	1,701
		6941109	C	P402000	5-R01-CA235375-02	Hammond /Paula T	07/01/19	06/30/21	173,411	462,908	289,497
		6941110	C	P402000	1-K99-EB028311-01 REVISE	Chan /Leslie W	07/01/19	06/30/21	73,371	87,484	14,113
		6941118	C	P151039	5-T32-GM007287-45	Bell /Stephen P	07/01/19	06/30/21	1,799,851	1,827,040	27,189
		6941131	C	P069201	5-K99-AG063896-02	Connizzo /Brienne K	07/01/19	06/30/21	119,763	251,726	131,963
		6941142	C	P152000	3-R01-GM044783-27S1	Raines /Ronald T	07/01/18	02/28/20	125,000	125,000	0
		6941152	C	P159300	5-U19-AI131135-03	Chung /Kwanghun	04/01/19	03/31/20	38,383	38,383	0
		6941153	C	P154500	1-T32-NS105587-01A1	DiCarlo /James	07/01/19	06/30/20	0	0	0
		6941157	C	P069201	1-U01-EB029132-01	Griffith /Linda G	09/30/19	06/30/20	0	0	0
		6941163	C	P151039	5-T32-GM007287-45	Bell /Stephen P	07/01/19	06/30/21	0	79,411	79,411
		6941211	C	P165000	5-T32-ES007020-45	Essigmann /John M	07/01/19	06/30/20	308,396	282,535	(25,861)
		6941213	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	125,669	27,870	(97,799)
		6941219	C	P151000	2-T32-GM087237-11	Burge /Christopher B	07/01/19	06/30/20	0	24,324	24,324
		6941222	C	P151000	2-T32-GM087237-11	Burge /Christopher B	07/01/19	06/30/20	314,312	319,732	5,420
		6941223	C	P151000	2-T32-GM087237-11	Burge /Christopher B	07/01/19	06/30/20	0	13,897	13,897
		6941228	C	P400600	5R24MH117295-02	Ghosh /Satrajit S	08/01/19	04/30/21	727,231	2,627,281	1,900,050
		6941278	C	P152000	1-R21-GM134240-01	Radosevich /Alexander T.	08/01/19	10/31/20	165,579	239,599	74,020
		6941286	C	P417500	5-R01-GM134734-02	Cisse /Ibrahim I	08/01/19	04/30/21	261,544	579,623	318,079
		6941307	C	P151062	5-K99-GM134153-02	Guo /Monica S	07/01/19	06/30/21	85,980	199,998	114,018
		6941315	C	P159300	1DP2ES027992	Chung /Kwanghun	07/01/19	06/30/21	0	2,468	2,468
		6941316	C	P400600	1-RF1-MH120017-01	Wickersham /Ian R.	08/01/19	07/31/22	472,772	2,634,774	2,162,002
		6941319	C	P152000	5-R35-GM133580-02	Zhang /Bin	08/01/19	05/31/21	304,858	755,110	450,252
		6941322	C	P159300	1-RF1-DA049005-01	Sur /Mriganka	08/15/19	07/31/22	177,855	668,385	490,530
		6941358	C	P400600	5-R01-NS113245-02	Feng /Guoping	07/01/19	05/31/21	475,996	1,078,546	602,550
		6941359	C	P154500	1-R01-NS113245-01	Halassa /Michael	07/01/19	08/31/20	218,979	338,220	119,241
		6941370	C	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	211,213	531,576	320,363
		6941373	C	P400600	5-R01-NS113079-02	Harnett /Mark Thomas	08/15/19	05/31/21	469,118	954,094	484,976
		6941374	C	P402000	1-R01-CA233477-01A1	Hemann /Michael	08/14/19	07/31/20	230,473	340,243	109,770
		6941383	C	P154500	1-T32-NS105587-01A1	DiCarlo /James	07/01/19	06/30/20	293,690	249,704	(43,986)
		6941389	C	P400600	5-R01-MH122025-02	Jazayeri /Mehrdad	08/19/19	05/31/21	173,024	404,140	231,116
		6941401	C	P151059	2-R01-GM110048-05	Keating /Amy E	09/01/19	08/31/20	237,101	313,825	76,724
		6941411	C	P402000	1-R01-CA235375-01A1	Irvine /Darrell J	07/01/19	06/30/21	59,816	180,690	120,874
		6941431	C	P069201	1-R01-NS089076-01A1	Fraenkel /Ernest	06/01/19	03/31/21	48,038	67,210	19,172
		6941439	C	P267500	1-K99-MH120279-01	Rao /Siyuan	07/01/19	07/31/20	94,462	93,506	(956)
		6941482	C	P152000	1DP2GM128200-01	Schlau-Cohen /Gabriela S	08/01/19	10/31/20	29,374	52,397	23,023
		6941490	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	30,604	49,304	18,700
		6941491	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	60,957	76,630	15,673
		6941492	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	49,762	47,763	(1,999)
		6941493	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	19,023	15,000	(4,023)
		6941494	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	7,138	7,138
		6941495	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	275	98,495	98,220

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		6941496	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	45,534	108,477	62,943
		6941498	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	35,315	35,315
		6941499	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	16,960	16,960
		6941502	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	8,283	8,651	368
		6941503	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	6,224	62,077	55,853
		6941505	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	79,045	83,442	4,397
		6941506	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	7,500	7,500
		6941507	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	7,500	7,500
		6941508	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	614	614
		6941510	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	28,388	46,700	18,312
		6941511	C	P402000	5-U54CA210180-04	Lauffenburger /Douglas A	08/01/19	07/31/20	93,564	82,132	(11,432)
		6941512	C	P402000	5-U54CA210180-04	Wittrup /Karl Dane	08/01/19	07/31/20	80,561	76,474	(4,087)
		6941513	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	51,289	53,350	2,061
		6941514	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	31,551	62,639	31,088
		6941515	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	192,214	207,580	15,366
		6941516	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	42,078	114,357	72,279
		6941517	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	167,941	176,498	8,557
		6941518	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	38,490	39,770	1,280
		6941519	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	22,272	68,241	45,969
		6941520	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	112,791	186,596	73,805
		6941521	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	182,472	245,173	62,701
		6941522	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	108,568	174,200	65,632
		6941547	C	P069201	5 U01 CA215798-03 REVIS	Lauffenburger /Douglas A	04/01/19	03/31/20	21,191	24,401	3,210
		6941556	C	P039070	1-RF1-DA049005-01	Boyden /Edward	08/15/19	07/31/22	157,245	210,000	52,755
		6941566	C	P069200	5-U01CA202177-05	Kamm /Roger Dale	09/01/19	08/31/20	158,379	191,495	33,116
		6941567	C	P069200	5-U01CA202177-05	Kamm /Roger Dale	09/22/15	08/31/20	155,734	294,693	138,959
		6941568	C	P069200	5-U01CA202177-05	So /Peter T. C.	09/22/15	08/31/20	55,330	87,867	32,537
		6941569	C	P069200	5-U01CA202177-05	Kamm /Roger Dale	09/22/15	08/31/20	38,220	38,844	624
		6941587	C	P402000	1-K99-DK123407-01	Cheng /Chia-Wei	09/01/19	08/31/20	77,065	91,500	14,435
		6941610	C	P159300	5-R01-MH122270-02	Choi /Bohyun Gloria	09/10/19	06/30/21	274,396	1,189,445	915,049
		6941614	C	P069201	1-R21-NS105027-01A1	Kamm /Roger Dale	09/15/19	08/31/20	95,214	117,350	22,136
		6941617	C	P152000	1-U01-CA231079-01	Kiessling /Laura L	09/01/19	08/31/20	168,325	287,938	119,613
		6941618	C	P151072	1-U01-CA231079-01	Imperiali /Barbara	09/01/19	08/31/20	201,733	242,892	41,159
		6941620	C	P152000	1-R21-GM135780-01	Raines /Ronald T	06/20/19	08/31/20	240,014	150,600	(89,414)
		6941623	C	P067952	5-U01-NS110453-02	Kellis /Manolis	09/01/19	08/31/20	786,433	879,849	93,417
		6941657	C	P069201	5-U01-CA214381-03	Kamm /Roger Dale	09/01/19	08/31/20	0	0	0
		6941658	C	P069201	5-U01-CA214381-03	Kamm /Roger Dale	09/01/19	08/31/20	196,743	321,356	124,613
		6941659	C	P069201	5-U01-CA214381-03	Kamm /Roger Dale	09/01/19	08/31/20	60,676	286,616	225,940
		6941660	C	P061902	5-T32-EB001680-15	Rosen /Bruce R	09/01/10	08/31/20	154,263	187,348	33,085
		6941661	C	P061902	5-T32-EB001680-15	Rosen /Bruce R	09/01/19	08/31/20	0	7,941	7,941
		6941664	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	97,382	102,364	4,982
		6941673	C	P151073	3-R35-GM124732-03S1	Li /Gene-Wei	09/01/17	08/31/20	57,971	57,971	0
		6941689	C	P165000	5-R01-ES031576-02	Dedon /Peter C	09/20/19	05/31/21	123,801	368,250	244,449
		6941691	C	P152000	3-R35-GM122483-03S1	Buchwald /Stephen Leffler	09/01/19	05/31/21	56,765	56,970	205
		6941692	C	P061901	2-R01-EB017205-05A1	Celi /Leo Anthony G.	09/21/19	05/31/20	261,880	377,810	115,930

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		6941695	C	P069201	5-U01-CA214381-03 REVIS	Kamm /Roger Dale	09/01/19	08/31/20	57,183	141,553	84,370
		6941732	C	P069201	3-U01-CA202177-05S1	Coughlin /Mark Frederick	09/22/15	08/31/20	163,313	204,179	40,866
		6941748	C	P165000	5P30ES002109-39	Essigmann /John M	07/01/19	03/31/20	0	39,000	39,000
		6941749	C	P165000	5P30ES002109-39	Nolan /Elizabeth Marie	07/01/19	03/31/20	8,693	39,000	30,307
		6941750	C	P165000	5P30ES002109-39	Plata /Desiree Louise	07/01/19	03/31/20	7,744	39,000	31,256
		6941753	C	P069201	1-U01-EB029132-01	Griffith /Linda G	09/30/19	06/30/20	513,140	579,808	66,668
		6941759	C	P159300	1-RF1-MH121270-01 REVIS	Chung /Kwanghun	09/26/19	08/31/22	760,745	4,507,564	3,746,819
		6941766	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	7,605	7,395	(210)
		6941767	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	303,183	283,157	(20,026)
		6941768	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	153,356	164,313	10,957
		6941769	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	133,900	125,178	(8,722)
		6941782	C	P069201	1-R21-NS105027-01A1	Kamm /Roger Dale	09/15/19	08/31/20	22,315	139,025	116,710
		6941786	C	P152000	2-R56-AR044276-23A1	Raines /Ronald T	06/20/19	08/31/20	280,800	375,408	94,608
		6941790	C	P165000	1-R01-ES031576-01	Alm /Eric J	09/20/19	05/31/21	94,195	368,000	273,805
		6941799	C	P402000	1R35CA242379-01	Vander Heiden /Matthew G.	09/10/19	08/31/20	0	137,756	137,756
		6941831	C	P402000	1R35CA242379-01	Vander Heiden /Matthew G.	09/01/19	08/31/20	391,849	803,011	411,162
		6941834	C	P165000	3P42ES027707-03S1	Engelward /Bevin P	09/11/19	03/31/20	0	56,475	56,475
		6941835	C	P165000	3P42ES027707-03S1	Selin /Noelle E	09/11/19	03/31/20	0	101,655	101,655
		6941836	C	P165000	3P42ES027707-03S1	Selin /Noelle E	09/11/19	03/31/20	98,119	277,447	179,328
		6941870	C	P069201	5 U01 CA215798-03	Lauffenburger /Douglas A	07/01/19	03/31/20	0	5,471	5,471
		6941884	C	P159300	3-R01-NS104892-03S1	Flavell /Steven Willem	06/25/17	06/30/20	69,430	68,977	(453)
		6941889	C	P243021	9-R01-GM132997-31	Griffin /Robert Guy	05/01/19	05/31/23	22,123	58,760	36,637
		6941890	C	P243021	9-R01-GM132997-31	Griffin /Robert Guy	05/01/19	05/31/20	0	0	0
		6941915	C	P243021	9-R01-GM132997-31	Griffin /Robert Guy	05/01/19	05/31/20	0	0	0
		6941952	C	P152000	5-P41-EB015871-33	So /Peter T. C.	11/01/19	09/30/20	1,727	17,295	15,568
		6941982	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	119,363	119,363
		6942015	C	P243021	1-RF1-AG058504-01 REVIS	Griffin /Robert Guy	07/01/18	03/31/22	2,464	37,000	34,536
		6942024	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	09/01/19	05/31/20	0	11,000	11,000
		6942025	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	09/01/19	05/31/20	0	106,000	106,000
		6942026	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	09/01/19	05/31/20	68,414	225,000	156,586
		6942027	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	09/01/19	05/31/20	0	40,000	40,000
		6942045	C	P165000	3P42ES027707-03S1	So /Peter T. C.	09/11/19	03/31/20	53,450	56,475	3,025
		6942111	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	64,669	74,101	9,432
		6942186	C	P061901	1-K99-CA237861-01A1	Hao /Liangliang	12/01/19	11/30/20	45,020	101,334	56,314
		6942191	C	P402000	1-R01-CA233983-01A1 RE	Jacks /Tyler E	12/01/19	11/30/20	156,266	332,226	175,960
		6942269	C	P159300	1-UG3-NS115064-01	Tsai /Li-Huei	09/20/19	05/31/24	6	0	(6)
		6942270	C	P159300	1-UG3-NS115064-01	Tsai /Li-Huei	09/20/19	05/31/24	259,034	1,702,310	1,443,276
		6942271	C	P067952	1-UG3-NS115064-01	Kellis /Manolis	09/20/19	05/31/24	128,869	254,490	125,621
		6942273	C	P402000	1-R01-CA247632-01	Irvine /Darrell J	01/01/20	12/31/20	171,791	318,982	147,191
		6942349	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	38,105	143,133	105,028
		6942392	C	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	53,573	87,483	33,910
		6942470	C	P400600	5-U01-MH114819-03	Feng /Guoping	06/01/19	05/31/20	37,237	150,514	113,277
		6942483	C	P418103	5-R00-GM115765-05S1	Lamason /Rebecca	09/01/19	08/31/20	42,789	59,958	17,169
		6942506	C	P151062	1-K99-GM135536-01	Wang /Boyuan	12/01/19	01/31/21	48,309	100,000	51,691

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		6942515	C	P402000	1-R01-EB027717-01A1	Langer /Robert S	02/01/20	11/30/20	18,473	209,517	191,044
		6942546	C	P152000	2-R01-GM114547-07	Radosevich /Alexander T.	03/01/20	02/28/21	80,702	413,050	332,348
		6942551	C	P159300	1-RF1-DA049005-01	Sur /Mriganka	08/15/19	07/31/22	177,033	668,449	491,416
		6942571	C	P154500	1-R01-MH120118-01A1	Halassa /Michael	02/15/20	12/31/20	86,950	496,930	409,980
		6942574	C	P069201	4-R00-GM130896-02	Hansen /Anders Sejr	02/01/20	01/31/21	100,101	576,744	476,643
		6942597	C	P402010	1-R01-EB027717-01A1	Cima /Michael J	02/01/20	11/30/20	75,684	209,517	133,833
		6942598	C	P402010	1-R01-EB027717-01A1	White /Forest M	02/01/20	11/30/20	32,627	209,516	176,889
		6942611	C	P402000	1-UG3-NS115064-01	Langer /Robert S	09/20/19	05/31/24	29,031	302,200	273,169
		6942688	C	P159300	1-R01-GM135413-01	Flavell /Steven Willem	02/19/20	01/31/21	113,573	375,153	261,580
		6942690	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	04/01/19	05/31/20	0	94,000	94,000
		6942730	C	P154500	1-R01-MH120118-01A1	Halassa /Michael	02/15/20	12/31/20	19,906	19,808	(98)
		6942733	C	P402000	1-R21-CA236685-01	Manalis /Scott R	09/01/19	08/31/20	0	78,618	78,618
		6942751	C	P152000	2-R01-AI055258-16	Kiessling /Laura L	05/01/20	04/30/21	36,522	483,676	447,154
		6942756	C	P402000	1-K99-CA241072-01A1	Jaeger /Alexander M	03/01/20	02/28/21	41,371	150,223	108,852
		6942765	C	P402000	1-R21-AI151827-01	Hemann /Michael	03/01/20	02/28/21	46,665	222,888	176,223
		6942774	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/21	134,361	507,178	372,817
		6942776	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/21	0	84,750	84,750
		6942777	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/21	0	146,746	146,746
		6942779	C	P402000	1-R01-CA247632-01	Irvine /Darrell J	01/01/20	12/31/20	0	29,627	29,627
		6942814	C	P039070	2-R01-DA029639-09	Boyden /Edward	04/01/20	01/31/21	45,829	645,432	599,603
		6942823	C	P152000	1-R01-GM136882-01	Suess /Daniel Leif Migdow	01/02/20	03/31/21	87,645	292,612	204,967
		6942840	C	P400600	1-R21-AI149694-01	Gootenberg /Jonathan S	03/16/20	02/28/21	5,213	188,250	183,037
		6942860	C	P152000	1-R01-GM130936-01A1	Cummins /Christopher C	01/02/20	01/31/21	66,512	291,679	225,167
		6942913	C	P069201	5U01CA215798-04	Lauffenburger /Douglas A	04/05/17	03/31/21	26,326	145,669	119,343
		6942914	C	P069201	5U01CA215798-04	Lauffenburger /Douglas A	04/05/17	03/31/21	0	539,100	539,100
		6942916	C	P267600	2R01EY011289-34	Fujimoto /James G	04/01/20	03/31/21	1,573	483,246	481,673
		6942941	C	P165000	5P30ES002109-39	Essigmann /John M	04/01/20	12/31/20	4,396	0	(4,396)
		6942942	C	P165000	5P30ES002109-39	Essigmann /John M	04/01/20	12/31/20	7,364	0	(7,364)
		6942943	C	P165000	5P30ES002109-39	Plata /Desiree Louise	04/01/20	12/31/20	14,514	0	(14,514)
		6942945	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/21	69,951	247,082	177,131
		6942946	C	P165000	5P30ES002109-39	Vandiver /Kathleen	04/01/20	03/31/21	32,942	123,331	90,389
		6942947	C	P165000	5P30ES002109-39	Fox /James G	04/01/20	03/31/21	35,230	151,481	116,251
		6942948	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/21	398	180,160	179,762
		6942949	C	P165000	5P30ES002109-39	Levine /Stuart S.	04/01/20	03/31/21	34,526	157,192	122,666
		6942950	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/21	4,790	64,322	59,532
		6942953	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/21	0	39,000	39,000
		6942957	C	P165000	5P42ES027707-03 REVISE	Engelward /Bevin P	04/01/20	03/31/21	8,235	79,087	70,852
		6942958	C	P165000	5P42ES027707-03 REVISE	Engelward /Bevin P	04/01/20	03/31/21	8,435	11,925	3,490
		6942959	C	P165000	5P42ES027707-03 REVISE	Vandiver /Kathleen	04/01/20	03/31/21	7,857	47,921	40,064
		6942960	C	P165000	5P42ES027707-03 REVISE	Essigmann /John M	04/01/20	03/31/21	0	7,229	7,229
		6942963	C	P165000	5P42ES027707-03 REVISE	Essigmann /John M	04/01/20	03/31/21	55,975	265,513	209,538
		6942964	C	P165000	5P42ES027707-03 REVISE	Engelward /Bevin P	04/01/20	03/31/21	36,708	235,733	199,025
		6942965	C	P165000	5P42ES027707-03 REVISE	White /Forest M	04/01/20	03/31/21	44,159	149,532	105,373
		6942968	C	P165000	5P42ES027707-03 REVISE	Hemond /Harold F	04/01/20	03/31/21	34,194	119,082	84,888

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		6942969	C	P165000	5P42ES027707-03 REVISE	Swager /Timothy M	04/01/20	03/31/21	33,461	75,839	42,378
		6942970	C	P165000	5P42ES027707-03 REVISE	Selin /Noelle E	04/01/20	03/31/21	34,113	114,887	80,774
		6942971	C	P165000	5P42ES027707-03 REVISE	Kroll /Jesse	04/01/20	03/31/21	28,336	119,177	90,841
		6942972	C	P165000	5P42ES027707-03 REVISE	Swager /Timothy M	04/01/20	03/31/21	12,155	65,557	53,402
		6942975	C	P065004	1-RM1-GM135102-01	Buie /Cullen	04/01/20	03/31/21	10,416	1,599,296	1,588,880
		6943031	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	0	689,620	689,620
		6943032	C	P402000	5-U54-CA217377-04	Koehler /Angela Nicole	04/01/20	04/30/21	1,192	64,200	63,008
		6943033	C	P402000	5-U54-CA217377-04	Koehler /Angela Nicole	05/01/20	04/30/21	0	0	0
		6943034	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	9,886	117,959	108,073
		6943035	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	0	0	0
		6943036	C	P402000	5-U54-CA217377-04	Lauffenburger /Douglas A	05/01/20	04/30/21	52,494	209,720	157,226
		6943037	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	108,073	592,853	484,780
		6943038	C	P402000	5-U54-CA217377-04	Lauffenburger /Douglas A	05/01/20	04/30/21	0	0	0
		6943039	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	1,616	151,573	149,957
		6943040	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	4,449	151,573	147,124
		6943041	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	206	0	(206)
		6943042	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	0	0	0
		6943047	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	0	0	0
		6943061	C	P061901	5-U19-AI131135-04	Gehrke /Lee	04/01/20	03/31/21	52,385	1,616,451	1,564,066
		6943062	C	P061901	5-U19-AI131135-04	Gehrke /Lee	04/01/20	03/31/21	24,221	99,816	75,596
		6943079	C	P267500	1-R01-NS115576-01	Anikeeva /Polina Olegovna	05/01/20	04/30/22	0	516,164	516,164
		6943128	C	P165000	5P30ES002109-39	Nolan /Elizabeth Marie	04/01/20	12/31/20	27,986	0	(27,986)
		6943139	C	P159300	1K99EB027706-01A1	Yildirim /Murat	05/01/20	04/30/21	12,165	91,186	79,021
		6943151	C	P165000	5P42ES027707-03 REVISE	Selin /Noelle E	04/01/20	03/31/21	4,721	0	(4,721)
		6943174	C	P152000	1R35GM136354-01	Shoulders /Matthew D.	03/01/20	04/30/21	55,128	373,099	317,971
		6943207	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	64,240	0	(64,240)
		6943211	C	P402000	2-P30-CA014051-49	Spranger-Zimmermann /Stefani	05/01/20	04/30/21	48,441	0	(48,441)
		6943214	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	60,235	0	(60,235)
		6943219	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	93,056	0	(93,056)
		6943220	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	82,977	0	(82,977)
		6943221	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	80,697	0	(80,697)
		6943222	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	30,986	0	(30,986)
		6943223	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	41,740	0	(41,740)
		6943224	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	38,272	0	(38,272)
		6943225	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	33,931	0	(33,931)
		6943226	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	33,892	0	(33,892)
		6943283	C	P400600	5-U01-MH114819-03	Feng /Guoping	06/01/20	05/31/21	9,871	1,364,574	1,354,703
		6943323	C	P159300	1-U01-AG066757-01	Tsai /Li-Huei	05/15/20	04/30/21	0	0	0
		6943336	C	P091000	2-R01-AG032449-12	Finkelstein /Amy	06/01/20	04/30/21	14,551	482,267	467,716
		6943337	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	04/01/19	08/31/20	82,847	0	(82,847)
		6943349	C	P069201	1-U01-EB029132-01	Griffith /Linda G	07/01/20	06/30/21	0	587,338	587,338
		6943364	C	P159300	5-U01-MH117072-03	Chung /Kwanghun	06/01/20	05/31/21	21,478	1,363,930	1,342,452
		6943395	C	P039070	4R00GM126277-03	Sarkar /Deblina	06/01/20	05/31/23	0	224,000	224,000
		6943408	C	P159300	1-U01-AG066757-01	Tsai /Li-Huei	05/15/20	04/30/21	26,894	1,623,635	1,596,741

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		6943422	C	P402000	5-U01-CA238720-02	White /Forest M	06/01/20	05/31/21	0	182,798	182,798
		6943430	C	P152000	2-R01-CA073808-23	Raines /Ronald T	07/01/20	06/30/21	0	347,477	347,477
		6943432	C	P402000	5-U01-CA238720-02	White /Forest M	06/01/20	05/31/21	2,688	87,478	84,790
		6943446	C	P267500	1-R01-NS115576-01	Anikeeva /Polina Olegovna	05/01/20	04/30/22	0	260,103	260,103
		6943469	C	P039070	4R00GM126277-03	Sarkar /Deblina	06/01/20	05/31/23	0	25,000	25,000
	002533 CREARE, Incor	6940410	C	P061090	SUB# S633 / PO# 99163	How /Jonathan P	12/15/18	12/14/20	49,933	250,000	186,367
	004094 Physical Scienc	6940787	C	P400600	82883-1981-45	Feng /Guoping	05/01/18	08/28/20	60,396	60,000	(396)
	004487 The Wellcome Trust	6927934	C	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/13	03/31/14	0	167,636	(0)
		6930351	C	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/14	03/31/15	0	164,283	(0)
		6932582	C	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/15	03/31/16	0	163,445	0
		6934170	C	P067952	2186-05	Kellis /Manolis	01/02/16	09/30/17	0	191,347	(0)
	005260 Beth Israel Deaconess Medical Center	6932203	C	P061901	01027119	Mirny /Leonid A	03/01/15	02/29/16	0	22,686	(0)
		6932892	C	P061901	01028330	Mark /Roger G	07/01/15	06/30/16	0	386,327	(0)
		6933956	C	P061901	01027119	Mirny /Leonid A	03/01/16	02/28/17	0	36,449	0
		6934879	C	P061901	01028330	Mark /Roger G	07/01/16	06/30/17	0	496,198	(0)
		6935922	C	P400600	01029400	Whitfield-Gabrieli /Susan	09/21/16	06/30/17	(1,628)	21,408	0
		6936539	C	P061901	01027119	Mirny /Leonid A	03/01/17	02/28/18	0	26,113	(0)
		6937608	C	P061901	2R01GM104987-09	Mark /Roger G	07/01/17	06/30/18	0	477,772	0
		6940118	C	P069201	SUBAWARD NO. 01060881	Lauffenburger /Douglas A	09/01/18	08/31/19	49,847	58,062	0
		6940360	C	P061901	SUBAWARD #01028330	Mark /Roger G	07/01/18	06/30/20	86,904	471,120	8,162
		6940607	C	P039070	01061188	Boyden /Edward	08/23/18	05/31/20	0	0	0
		6940608	C	P039070	01061188	Boyden /Edward	08/23/18	05/31/19	0	0	0
		6940834	C	P159300	01061188	Brown /Emery Neal	08/23/18	05/31/19	0	0	0
		6941041	C	P039070	01061188	Boyden /Edward	06/01/19	05/31/20	190,731	205,788	(9,804)
		6941205	C	P159300	01061188	Brown /Emery Neal	06/01/19	05/31/20	105,413	196,203	90,790
		6942508	C	P061901	01027119	Mirny /Leonid A	03/01/18	02/29/20	26,000	26,000	(0)
		6942799	C	P060004	1061926	Mark /Roger G	07/01/19	06/30/20	16,567	234,596	218,029
	005274 Boston Universi	6928338	C	P065006	4500001279	Kamm /Roger Dale	04/16/13	03/31/14	0	163,896	0
		6928368	C	P069200	4500001279	Lauffenburger /Douglas A	04/16/13	03/31/14	0	115,736	(0)
		6930176	C	P065004	4500001279	Kamm /Roger Dale	04/01/14	03/31/15	0	201,154	0
		6930177	C	P069200	4500001279	Lauffenburger /Douglas A	04/01/14	03/31/15	0	91,630	(0)
		6932353	C	P065004	4500001821	Kamm /Roger Dale	04/01/15	03/31/16	0	295,249	(0)
		6933002	C	P061901	4500001922	Bhatia /Sangeeta N	08/15/15	06/30/20	71,482	1,328,492	11,882
		6933944	C	P065004	4500002049	Kamm /Roger Dale	04/01/16	03/31/17	0	0	0
		6933945	C	P065004	4500002049	Kamm /Roger Dale	04/01/16	03/31/17	0	173,507	(0)
		6933946	C	P402000	4500002049	Gertler /Frank	04/01/16	03/31/17	0	100,646	0
		6935452	C	P065004	4500002343	Kamm /Roger Dale	04/01/17	12/31/18	0	200,362	(3,775)
		6936474	C	P402000	4500002343	Gertler /Frank	04/01/17	12/31/18	0	64,829	0
		6938063	C	P159300	SUBAWARD NO.45000025	Wilson /Matthew A	09/30/17	08/31/20	(37,630)	231,901	0
		6939502	C	P061902	50203805.2	Greenberg /Julie E	06/01/18	05/31/19	(336)	67,831	0
		6939543	C	P061902	50204332	Greenberg /Julie E	06/01/18	08/31/18	(27)	2,553	(0)
		6939758	C	P061902	50204332.2	Greenberg /Julie E	09/01/18	12/31/18	(99)	16,007	0
		6939954	C	P067952	4500002883	Glass /James R	09/01/18	01/31/21	65,735	68,090	710
		6940789	C	P400600	4500003010	Fedorenko /Evelina G	04/01/19	03/31/21	428,242	653,285	225,043
		6941421	C	P061902	50204332/SHOSHANA DA	Greenberg /Julie E	06/01/19	12/31/19	20,073	20,073	(0)

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005321 Brigham & Women's Hospital		6943389	C	P039070	4500003437	Boyden /Edward	03/01/20	01/31/21	0	286,142	286,142
		6932413	C	P267110	112548	Voldman /Joel	06/23/15	05/31/21	0	0	0
		6932444	C	P267110	112548	Voldman /Joel	06/23/15	05/31/16	0	92,977	0
		6932715	C	P267110	112548	Han /Jongyoon	06/23/15	05/31/16	0	32,484	0
		6933473	C	P402000	113786	Anderson /Daniel Griffith	01/01/16	12/31/19	59,136	179,732	0
		6933923	C	P402000	114237	Chen /Jianzhu	03/01/16	02/29/20	0	100	100
		6933924	C	P402000	114237	Chen /Jianzhu	03/01/16	02/28/17	0	169,940	0
		6934215	C	P267110	112548	Voldman /Joel	06/01/16	05/31/17	0	152,927	0
		6934216	C	P267110	112548	Han /Jongyoon	06/01/16	05/31/17	0	118,882	0
		6936193	C	P402000	114237	Chen /Jianzhu	03/01/17	02/28/18	0	153,022	0
		6936292	C	P402000	116900	Anderson /Daniel Griffith	03/24/17	02/28/21	47,090	181,720	74,294
		6936713	C	P267110	112548	Voldman /Joel	06/01/17	05/31/18	0	114,912	0
		6936714	C	P267110	112548	Han /Jongyoon	06/01/17	05/31/18	0	95,935	(0)
		6938401	C	P402000	114237	Chen /Jianzhu	03/01/18	02/28/19	0	148,200	0
		6939670	C	P267110	112548	Voldman /Joel	06/01/18	05/31/19	(2,927)	103,686	556
		6939671	C	P267110	112548	Han /Jongyoon	06/01/18	05/31/19	1,926	103,686	10,632
		6940370	C	P067952	120368	Golland /Polina	09/22/18	06/30/20	183,622	380,883	(5,419)
		6940533	C	P067952	120780	Gifford /David K	01/15/19	12/31/20	92,444	204,701	112,257
		6940538	C	P402000	114237	Chen /Jianzhu	03/01/19	02/29/20	(13,142)	144,495	0
		6940905	C	P267110	112548	Voldman /Joel	06/01/19	05/31/21	88,864	101,599	(168)
		6940906	C	P267110	112548	Han /Jongyoon	06/01/19	05/31/21	93,786	101,875	(11,718)
		6941853	C	P152000	121596	Pentelute /Bradley L.	07/04/19	09/30/20	118,080	235,674	117,594
		6941991	C	P402000	121535	Anderson /Daniel Griffith	07/15/19	06/30/20	29,009	75,278	46,269
		6942915	C	P402000	114237	Chen /Jianzhu	03/01/20	02/28/21	85,082	170,025	84,943
	005333 Brown Universit	6937534	C	P066000	SUBAWARD 00000624	Dao /Ming	06/01/13	05/31/19	(40,814)	280,875	(0)
	005460 Children's Hospital Boston	6929715	C	P267111	RSTFD0000570507	Adalsteinsson /Elfar	04/01/14	03/31/15	0	235,103	(0)
		6931050	C	P061901	RSTFD00000602424	Collins /James J.	08/01/14	07/31/20	0	258,302	(0)
		6932057	C	P165000	PO#0000704243	Alm /Eric J	07/01/15	05/31/20	0	0	0
		6932069	C	P165000	PO#0000635383	Alm /Eric J	07/01/15	05/31/16	0	48,917	0
		6932318	C	P267111	RSTFD0000641564	Adalsteinsson /Elfar	04/01/15	03/31/16	0	276,623	(0)
		6932913	C	P061901	RSTFD0000652459	Collins /James J.	08/01/15	07/31/16	0	255,767	0
		6933353	C	P267600	RSTFD0000667865	Adalsteinsson /Elfar	09/01/15	08/31/16	0	32,193	0
		6933387	C	P067952	RSTFD0000667865	Golland /Polina	09/01/15	08/31/16	0	82,732	0
		6934060	C	P267111	RSTFD0000689449	Adalsteinsson /Elfar	04/01/16	03/31/17	0	331,227	(0)
		6934415	C	P165000	PO#0000704243	Alm /Eric J	06/01/16	05/31/17	0	48,917	(0)
		6935002	C	P267111	GENFD0001152559	Adalsteinsson /Elfar	09/01/16	08/31/17	0	40,328	0
		6935303	C	P067952	GENFD0001152559	Golland /Polina	09/01/16	08/31/17	0	252,786	(0)
		6936020	C	P061901	GENFD0001240500	Collins /James J.	08/01/16	07/31/17	0	129,224	0
		6936340	C	P267111	RSTFD0000689449	Adalsteinsson /Elfar	04/01/17	03/31/18	0	203,819	(0)
		6936589	C	P165000	PO#0000704243	Alm /Eric J	06/01/17	05/31/18	0	48,917	0
		6937612	C	P061901	GENFD0001332333	Collins /James J.	08/01/17	07/31/18	0	178,296	(0)
		6937622	C	P267111	GENFD0001351238	Adalsteinsson /Elfar	09/01/17	08/31/18	0	36,961	(0)
		6937709	C	P067952	GENFD0001351238	Golland /Polina	09/01/17	08/31/18	0	149,591	0
		6938552	C	P267111	GENFD0001442726	Adalsteinsson /Elfar	04/01/18	03/31/21	165,676	556,799	81,479
		6939366	C	P267110	GENFD0001722202	Voldman /Joel	08/03/18	07/31/19	21,779	96,472	0

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		6939784	C	P061901	GENFD0001538557	Shalek /Alexander K	09/09/18	07/31/19	(92,035)	0	0
		6939788	C	P061901	GENFD0001538557	Shalek /Alexander K	09/09/18	07/31/19	103,092	44,413	(58,679)
		6939961	C	P267111	GENFD0001548986	Adalsteinsson /Elfar	09/01/18	06/30/20	24,556	52,974	(749)
		6939964	C	P061901	GENFD0001552721	Collins /James J.	08/01/18	07/31/20	13,948	151,797	3,583
		6939965	C	P067952	GENFD0001548986	Golland /Polina	09/01/18	06/30/20	30,384	140,407	(468)
		6940032	C	P165000	PO#GENFD0001566187	Alm /Eric J	06/01/18	05/31/19	0	26,057	(0)
		6941710	C	P267110	GENFD0001722202	Voldman /Joel	08/01/19	07/31/20	103,958	114,627	10,669
		6941969	C	P165000	PO#0000704243	Alm /Eric J	06/01/19	05/31/20	33,301	33,317	16
		6942102	C	P267111	GENFD0001734192	Adalsteinsson /Elfar	09/01/19	05/31/21	0	0	0
		6942284	C	P061901	GENFD0001538557	Shalek /Alexander K	08/01/19	07/31/20	112,880	44,413	(68,467)
		6942423	C	P267111	GENFD0001734192	Adalsteinsson /Elfar	09/01/19	05/31/21	91,913	148,280	56,367
		6942424	C	P067952	GENFD0001734192	Golland /Polina	09/01/19	05/31/21	72,290	145,324	73,034
	005508 Columbia University	6934117	C	P402000	1(GG012140)/PO G10545	Vander Heiden /Matthew G.	12/01/15	11/30/20	149,564	1,204,496	293,916
		6936350	C	P402100	PO G14277	Fox /James G	12/07/16	11/30/20	0	34,167	34,167
		6936354	C	P402100	1(GG012741-01)	Fox /James G	12/07/16	11/30/17	0	10,833	0
		6936432	C	P402100	2(GG012789-02)	Fox /James G	05/12/17	04/30/18	0	48,360	0
		6937907	C	P402100	GG012741-02	Fox /James G	12/01/17	11/30/18	0	45,000	0
		6938959	C	P402100	2(GG012789-08)	Fox /James G	05/01/18	04/30/19	0	62,400	0
		6940022	C	P402100	1(GG012741-03)	Fox /James G	12/01/18	11/30/19	42,849	45,000	(0)
		6940239	C	P039070	2(GG014507) /PO G13375	Boyden /Edward	09/30/18	09/29/20	0	0	0
		6940240	C	P039070	2(GG014507)	Boyden /Edward	09/30/18	09/29/20	12,505	57,810	(4,816)
		6940407	C	P067952	PO G13407 1(GG014640)	Gifford /David K	12/01/18	11/30/20	118,892	369,916	244,319
		6941039	C	P402100	2(GG012789-02)	Fox /James G	05/01/19	04/30/20	60,082	60,528	(0)
		6942747	C	P402100	1(GG012741-04)	Fox /James G	12/01/19	11/30/20	35,026	45,000	9,974
		6943316	C	P402100	2(GG012789-02)	Fox /James G	05/12/20	04/30/21	7,619	0	(7,619)
	005521 Cornell Univers	6941608	C	P402000	192305-02	Irvine /Darrell J	07/05/19	06/30/20	247,114	258,286	11,172
	005615 Dartmouth College	6942257	C	P091020	SUBAWARD NO. R1333	Finkelstein /Amy	03/01/19	02/29/20	16,807	16,807	0
		6942712	C	P151000	R1346	Keating /Amy E	02/01/20	12/31/20	11,344	240,737	229,393
		6943153	C	P091020	SUBAWARD NO. R1333	Finkelstein /Amy	03/01/20	02/28/21	4,986	17,430	12,444
	005690 Duke University	6942073	C	P402000	A032777	Koehler /Angela Nicole	09/17/19	08/31/20	0	0	0
		6942128	C	P402000	A032777	Koehler /Angela Nicole	09/17/19	08/31/20	61,707	165,254	103,547
	005817 Dana Farber Cancer Institute	6928787	C	P402010	1006718	Love /John C	07/01/13	08/31/20	108,489	1,367,428	14,018
		6934749	C	P402000	1282601	Irvine /Darrell J	08/05/16	07/31/17	0	262,467	0
		6934774	C	P402000	1282101	Love /John C	08/05/16	07/31/17	0	54,600	0
		6936864	C	P402000	1282602	Irvine /Darrell J	08/01/17	07/31/18	0	344,803	0
		6936865	C	P402000	1282102	Love /John C	08/05/16	07/31/18	0	36,778	0
		6937438	C	P402000	1225411/PO#1034483	Vander Heiden /Matthew G.	07/01/17	06/30/19	(107)	29,742	0
		6939136	C	P402000	1282101	Love /John C	08/01/18	07/31/19	11,212	58,991	0
		6939137	C	P402000	1282601	Irvine /Darrell J	08/01/18	07/31/19	8,085	294,449	0
		6941488	C	P402000	1282101	Love /John C	08/01/19	07/31/20	17,920	52,265	34,345
		6941489	C	P402000	1282601	Irvine /Darrell J	08/01/19	07/31/20	303,726	294,451	(9,275)
		6942023	C	P402000	1040826	Irvine /Darrell J	11/01/19	10/31/20	33,840	50,760	16,920
	005937 Georgetown Un	6930175	C	P267600	410646-GR409880-MIT	Fujimoto /James G	04/01/14	03/31/19	0	263,857	41,345
	006096 Cold Spring Harbor Laboratory	6938118	C	P039070	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	05/31/20	0	943	943
		6938260	C	P039070	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	06/30/18	0	116,975	0

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006112 Harvard Medical School		6939604	C	P039070	64580127/PO# 921003-SV	Boyden /Edward	07/01/18	05/31/19	(6,792)	354,660	(0)
		6941124	C	P039070	64580127/PO# 921003-SV	Boyden /Edward	06/01/19	05/31/20	225,879	229,523	3,644
		6931022	C	P159300	152754.5068079.0002	Tsai /Li-Huei	09/15/14	05/31/19	(307)	1,441,542	(0)
		6932903	C	P039070	SUBAWARD 152772.59062	Boyden /Edward	09/14/15	06/30/20	0	0	0
		6933268	C	P061901	153032.5091220.0102	Mirny /Leonid A	09/01/15	08/31/20	0	141	141
		6933269	C	P061901	153032.5091220.0102	Mirny /Leonid A	09/01/15	08/31/16	0	76,079	(0)
		6933497	C	P039070	SUBAWARD 152772.59062	Boyden /Edward	09/14/15	06/30/16	0	125,581	0
		6934416	C	P039070	SUBAWARD 152772.59062	Boyden /Edward	07/01/16	06/30/17	0	118,625	0
		6935049	C	P061901	153032.5091220.0202	Mirny /Leonid A	09/01/16	08/31/17	0	137,432	0
		6936632	C	P067952	152448.5079089.0408	Szolovits /Peter	05/01/17	04/30/18	(35)	205,438	0
		6937138	C	P039070	SUBAWARD 152772.59062	Boyden /Edward	09/14/15	06/30/18	0	73,057	(0)
		6937730	C	P061901	153032.5091220.0302	Mirny /Leonid A	09/01/17	08/31/18	0	100,159	0
		6937936	C	P067952	152447.5074647.0407	Szolovits /Peter	08/01/17	07/31/18	0	79,066	(10,054)
		6937980	C	P069201	SUBAWARD NO. 117954	Fraenkel /Ernest	09/15/17	08/31/20	139,846	717,602	401,124
		6939386	C	P039070	SUBAWARD 152772.59062	Boyden /Edward	09/14/15	06/30/19	70,773	202,739	0
		6939914	C	P061901	153032.5091220.0402	Mirny /Leonid A	09/01/18	08/31/19	32,885	115,004	0
		6940261	C	P067952	152447.5074647.0507	Szolovits /Peter	08/01/18	07/31/19	0	79,066	(790)
		6941419	C	P061902	JANG_2019_153320	Greenberg /Julie E	09/01/19	01/15/20	4,693	4,693	(0)
		6941551	C	P039070	SUBAWARD 152772.59062	Boyden /Edward	09/14/15	06/30/20	129,998	130,001	3
		6941917	C	P061901	153032.5091220.0502	Mirny /Leonid A	09/01/19	08/31/20	126,128	126,455	327
		6941988	C	P069201	152561.5112601.0002	Grodzinsky /Alan J	09/18/19	07/31/20	15,478	20,064	4,586
		6942347	C	P065004	149874.5113431.0005	Fletcher /Richard R	07/01/19	06/30/20	0	62,625	62,625
	006120 Harvard University	6938207	C	P065004	113098-5106858	Guo /Ming	09/01/17	08/31/18	0	92,820	(11,904)
		6939227	C	P165000	164647-5107687	Dedon /Peter C	09/01/18	05/31/21	176,076	578,550	337,948
		6939767	C	P061901	151577	Gehrke /Lee	07/15/18	07/14/19	(1,611)	46,532	0
		6939816	C	P400600	132692-5106604	Feng /Guoping	07/01/18	03/31/19	0	371,280	(0)
		6939817	C	P400600	132692-5106604	Feng /Guoping	04/01/19	03/31/20	55,866	371,280	(12)
		6939818	C	P400600	132692-5106604	Feng /Guoping	04/01/20	03/31/21	30,120	372,000	341,880
		6940320	C	P158000	AGMT DTD 4/11/2019	Gore /Jeff	01/16/19	05/31/19	(0)	27,563	0
		6941293	C	P061902	GEORGE_CHAO_152772.0	Greenberg /Julie E	08/01/19	05/31/20	63,332	63,335	3
		6941397	C	P061901	151577/ANTONUCCI	Gehrke /Lee	07/15/19	07/14/20	42,839	58,654	15,815
		6941561	C	P064000	BILLING AGREEMENT FOI	Shavit /Nir N.	07/01/19	06/30/20	32,947	35,096	2,149
		6942742	C	P069201	109786.5110773	Bryson /Bryan David	09/30/19	03/28/21	83,380	213,175	129,795
		6942743	C	P069201	109786.5110775	Lauffenburger /Douglas A	09/30/19	03/28/21	149,722	450,009	300,287
		6942896	C	P069201	109786.5110775	Lauffenburger /Douglas A	09/30/19	03/28/21	107,912	107,914	2
	006131 Fred Hutchinson Cancer Research Center	6940946	C	P065004	0000997305	Buie /Cullen	04/01/19	08/31/20	(7,886)	53,842	53,842
		6941680	C	P065004	0000997305	Buie /Cullen	04/01/19	08/31/19	103,541	103,541	(0)
		6941754	C	P065004	00001006276	Buie /Cullen	09/01/19	08/31/20	235,030	234,394	(636)
	006151 Johns Hopkins	6939792	C	P068700	2004089323	Dahleh /Munther A	07/01/18	03/31/20	22,425	71,640	14,678
	006207 University of California/Davis	6937292	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/18	0	238,440	0
		6939140	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/19	(355)	235,676	(0)
		6940652	C	P039070	A19-1044-S004	Boyden /Edward	09/30/18	06/30/20	79,347	93,693	14,346
		6941309	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/20	225,591	232,812	7,221
		6942499	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/20	26,705	118,719	92,014

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006570 Massachusetts General Hospital		6932581	C	P067952	226025	Golland /Polina	07/01/15	04/30/20	41,837	179,390	(48)
		6934501	C	P067952	228314	Szolovits /Peter	04/06/16	02/28/18	0	22,437	0
		6935377	C	P159300	229354	Chung /Kwanghun	09/15/16	07/31/20	268,254	556,139	34,904
		6935622	C	P159300	229428	Sur /Mriganka	09/30/16	06/30/20	122,162	376,549	(24,162)
		6935800	C	P267600	229825	Lu /Timothy K	12/24/16	11/30/20	69,388	163,609	8,459
		6935992	C	P402000	229916	Anderson /Daniel Griffith	01/09/17	12/31/20	186,145	562,454	104,812
		6936300	C	P067952	230321	Guttag /John V	04/01/17	03/31/18	0	106,888	488
		6936861	C	P061902	229297	Greenberg /Julie E	06/01/17	05/31/18	(6)	31,755	0
		6937341	C	P402000	230837	Langer /Robert S	06/15/17	05/31/21	38,918	240,046	94,447
		6937425	C	P267111	SUBAWARD 231183	Adalsteinsson /Elfar	09/01/17	05/31/21	219,586	882,268	335,163
		6937453	C	P159300	SUBAWARD NO. 231125	Wilson /Matthew A	08/03/17	07/31/20	80,348	314,038	34,784
		6937647	C	P069201	230837	Grodzinsky /Alan J	06/18/17	05/31/21	11,277	143,448	34,605
		6937884	C	P402000	231617	Yilmaz /Omer	09/30/17	08/31/19	36,570	216,580	0
		6937930	C	P067952	228314	Szolovits /Peter	03/01/17	02/28/18	0	74,869	(0)
		6938426	C	P062000	231833	Strano /Michael S.	01/01/18	12/31/20	42,166	212,547	61,839
		6938653	C	P061901	232432	Shalek /Alexander K	03/01/18	02/28/19	(15,803)	60,670	52,300
		6938704	C	P067952	230321	Guttag /John V	04/01/18	03/31/19	0	104,964	(1,314)
		6938915	C	P159300	SUBAWARD NO. 230203	Miller /Earl K	02/01/18	01/31/21	149,691	350,428	113,340
		6939141	C	P067952	228314	Szolovits /Peter	03/01/18	02/29/20	1,168	74,869	5,439
		6939294	C	P061902	228599	Greenberg /Julie E	07/01/18	05/31/19	(282)	45,655	0
		6939469	C	P061902	229386	Greenberg /Julie E	06/01/18	01/15/19	(200)	39,231	(0)
		6939510	C	P061902	231297	Greenberg /Julie E	06/01/18	05/31/19	(231)	56,155	0
		6939603	C	P267600	228193	Lu /Timothy K	06/30/18	06/29/19	(5,774)	58,560	0
		6939659	C	P061902	229297	Greenberg /Julie E	09/01/18	05/31/19	(139)	24,178	0
		6939663	C	P061902	229297	Greenberg /Julie E	08/01/18	08/31/18	(35)	3,505	0
		6939664	C	P061902	228601	Greenberg /Julie E	07/01/18	08/31/18	(67)	6,404	0
		6939666	C	P061902	229297	Greenberg /Julie E	08/01/18	08/31/18	(39)	3,818	0
		6939682	C	P061901	229172	Shalek /Alexander K	07/01/17	06/30/19	(4)	12,250	202
		6939768	C	P061902	232673	Greenberg /Julie E	09/01/18	01/15/19	(165)	28,645	(0)
		6939894	C	P061902	231409	Greenberg /Julie E	09/01/18	05/31/19	(176)	28,384	0
		6940260	C	P069400	233405	Finkelstein /Stan Neil	09/30/18	05/31/20	109,096	167,222	9,178
		6940323	C	P039000	233811	Picard /Rosalind W.	01/01/19	10/31/20	84,516	438,593	266,407
		6940563	C	P067952	230321	Guttag /John V	04/01/19	03/31/20	142,587	104,964	(41,175)
		6940711	C	P064000	232073	Adalsteinsson /Elfar	09/01/18	05/31/19	(347)	58,788	(0)
		6940784	C	P061901	AGREEMENT 234061/P300	Lieberman /Tami Danielle	01/01/19	12/31/19	0	0	0
		6940973	C	P061902	231297/SAMUELSSON	Greenberg /Julie E	06/01/19	08/31/19	9,510	9,510	0
		6941252	C	P061902	231409	Greenberg /Julie E	06/01/19	08/31/19	10,976	10,976	(0)
		6941265	C	P061902	230662	Greenberg /Julie E	06/01/19	05/31/20	66,856	66,847	(9)
		6941413	C	P064000	224403	Adalsteinsson /Elfar	09/01/19	05/31/20	61,229	61,232	3
		6941721	C	P061902	228599/ANTOINE RAIMER	Greenberg /Julie E	06/01/19	06/30/19	3,647	3,647	0
		6941725	C	P061902	228601/CANNON	Greenberg /Julie E	06/01/19	06/30/19	967	967	(0)
		6941726	C	P061902	228601/CANNON	Greenberg /Julie E	09/01/19	01/15/20	19,300	19,306	6

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		6941727	C	P061902	228601/CANNON	Greenberg /Julie E	01/16/20	05/31/20	19,300	19,306	6
		6941742	C	P402000	231617	Yilmaz /Omer	06/01/19	08/31/20	102,229	0	(102,229)
		6941756	C	P061902	231409/MASON	Greenberg /Julie E	06/01/19	05/31/20	32,747	62,584	29,837
		6941965	C	P061902	228599/A. RAIMER	Greenberg /Julie E	07/01/19	08/31/19	7,321	7,321	0
		6941972	C	P094000	233481	Haslanger /Sally	06/01/19	01/15/20	28,433	41,033	12,600
		6942039	C	P061902	232232/MORALES	Greenberg /Julie E	09/01/19	01/15/20	24,637	24,637	(0)
		6942103	C	P064000	227334	Adalsteinsson /Elfar	09/01/19	05/31/20	57,928	57,928	0
		6942122	C	P061902	228601	Greenberg /Julie E	07/01/19	08/31/19	1,941	1,941	0
		6942176	C	P061902	229297	Greenberg /Julie E	08/01/19	08/31/19	2,841	2,841	0
		6942177	C	P061902	229297 - PAUL DANNENBERG	Greenberg /Julie E	09/01/19	01/15/20	21,409	21,409	0
		6942178	C	P061902	229297 - PAUL DANNENBERG	Greenberg /Julie E	06/01/19	07/31/19	5,681	5,681	0
		6942182	C	P061902	229297 - PAUL DANNENBERG	Greenberg /Julie E	01/16/20	05/31/20	19,653	19,654	1
		6942360	C	P061901	232432	Shalek /Alexander K	01/01/19	12/31/19	44,661	62,498	17,837
		6942467	C	P067952	235400	Golland /Polina	09/19/19	08/31/20	107,970	115,000	7,030
		6942485	C	P061901	AGREEMENT 234061/P300	Lieberman /Tami Danielle	01/01/19	12/31/20	2,233	60,000	57,767
		6942719	C	P061902	232232 (MORALES)	Greenberg /Julie E	01/16/20	05/31/20	29,836	29,837	1
		6942728	C	P402000	234408	Birnbaum /Michael E	05/01/19	04/30/20	15,212	113,500	98,288
		6942989	C	P152000	SUBAWARD# 235289	Pentelute /Bradley L.	09/01/19	08/31/20	15,000	42,728	27,728
		6943169	C	P069201	236842	Lauffenburger /Douglas A	04/10/20	12/31/20	13,920	124,394	110,474
		6943242	C	P067952	230321	Gutttag /John V	04/01/20	03/31/21	12,680	11,237	(1,443)
		6943434	C	P061901	232432	Shalek /Alexander K	01/01/20	12/31/20	0	65,983	65,983
	006597 McLean Hospital	6943086	C	P400600		Graybiel /Ann M	04/15/20	03/31/21	103,958	0	(103,958)
	006637 Allen Institute for Brain Science	6937892	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	09/20/17	05/31/21	0	295	295
		6937893	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	09/20/17	05/31/18	0	100,305	0
		6937894	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	07/01/18	05/31/19	2,184	90,000	(1,697)
		6937895	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	07/01/19	05/31/20	102,261	103,555	1,294
		6937896	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	06/01/20	05/31/21	0	103,555	103,555
	006640 Michigan State	6939973	C	P402000	RC109146MIT	Gertler /Frank	03/01/18	02/29/20	508	168,109	3,530
	006742 National Bureau of Economic Research, Inc.	6934629	C	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	04/30/19	0	18,526	18,526
		6934630	C	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	02/28/17	0	262,531	0
		6936576	C	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	02/28/18	0	292,321	0
		6937964	C	P091000	4125B.05.MIT	Finkelstein /Amy	09/01/17	05/31/18	0	70,105	(0)
		6937965	C	P091000	4125B.05.MIT	Finkelstein /Amy	09/01/17	05/31/18	0	0	0
		6939002	C	P091000	4117B.MIT	Finkelstein /Amy	03/01/18	04/30/19	0	308,725	36,051
		6940132	C	P091020	4126B.MIT	Finkelstein /Amy	08/01/18	05/31/20	218,343	301,710	18,675
		6941651	C	P091000	4117B.MIT	Finkelstein /Amy	05/01/19	04/30/20	309,669	309,764	95
	006815 Tufts Medical Center	6935658	C	P069400	5014371-SERV/U24TR0011	Hirsch /Paula	07/01/16	06/30/17	0	101,130	(0)
		6936291	C	P061901	100107-00004	Kolandaivelu /Kumaran	01/01/17	06/30/17	28	20,965	0
		6937789	C	P069400	5014371-SERV/U24TR0011	Hirsch /Paula	07/01/17	06/30/18	0	135,019	0
		6939672	C	P061905	PO EP0182273 / 102188-01	Edelman /Elazer R	05/01/18	04/30/20	0	0	0
		6939673	C	P061905	PO EP0182273 / 102188-01	Edelman /Elazer R	05/01/18	04/30/19	10,244	762,621	0
		6940174	C	P069400	5014371-SERV/U24TR0011	Hirsch /Paula	07/01/18	06/30/19	(1,363)	75,077	(0)
		6941069	C	P061905	PO EP0182273 / 102188-01	Edelman /Elazer R	05/01/19	04/30/20	827,196	773,768	(53,428)
		6942241	C	P069400	5017158-SERV/U24TR0011	Hirsch /Paula	07/01/19	06/30/20	63,909	76,787	12,878
	006829 New York University	6935163	C	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/16	07/31/17	0	65,925	17,315

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	University	6937655	C	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/17	07/31/18	0	30,299	0
		6939036	C	P159300	18-A0-00-1001558-01; PO	Wilson /Matthew A	07/12/18	04/30/19	(200)	120,745	(0)
		6940084	C	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/16	07/31/19	24,333	72,590	16,593
		6941824	C	P159300	18-A0-00-1001558-01; PO	Wilson /Matthew A	05/01/19	07/31/20	319,168	308,555	(10,613)
	006875 Northeastern University	6933466	C	P065004	500449-78050	Hogan /Neville	10/01/15	06/30/20	113,331	330,144	(2,878)
		6935020	C	P069201	500489-78051	Griffith /Linda G	08/01/16	07/31/20	276,229	2,159,419	23,119
		6935732	C	P154500	500514-78051	Sinha /Pawan	01/18/17	12/31/19	1,753	157,043	0
		6935967	C	P069201	500489-78051	Alm /Eric J	08/01/16	04/30/19	(20)	35,000	(0)
		6936932	C	P069201	500489-78051	Griffith /Linda G	05/01/17	04/30/19	(323)	213,003	0
		6939773	C	P069201	500489-78051	Griffith /Linda G	10/01/18	04/30/19	0	32,573	0
	006876 Northwestern University	6932474	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/15	04/30/16	0	71,687	0
		6934210	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/15	04/30/17	0	56,643	0
		6936799	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/17	04/30/18	0	86,905	0
		6939942	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/18	04/30/19	0	72,475	0
		6940179	C	P039070	SP0046269-PROJ001311	Boyden /Edward	09/30/18	07/31/20	0	0	0
		6940198	C	P067952	60047352 MIT	Szolovits /Peter	09/01/17	08/31/19	(2,899)	31,696	14,710
		6940249	C	P039070	SP0046269-PROJ001311	Boyden /Edward	09/30/18	07/31/19	(11,591)	270,000	(0)
		6941366	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/19	04/30/20	72,540	72,576	36
	006953 Ohio State Univ	6942547	C	P039070	SP0046269-PROJ001311	Boyden /Edward	08/01/19	07/31/20	209,635	270,000	60,365
		6938231	C	P068100	60064327-MIT; PO RF0150	Larson /Richard Charles	01/01/18	12/31/19	41,079	83,748	0
	006977 Harvard School of Public Health	6934628	C	P062000	113113-5096677	Strano /Michael S.	07/15/16	06/30/20	0	135,471	0
		6934864	C	P067952	114506-5096447	Kellis /Manolis	05/02/16	03/31/20	0	1,869	1,869
		6934870	C	P067952	114506-5096447	Kellis /Manolis	05/02/16	03/31/17	0	68,119	0
		6935148	C	P062000	112545-5095784	Prather /Kristala L	09/30/16	07/31/19	1,675	19,877	(0)
		6937001	C	P067952	114506-5096447	Kellis /Manolis	04/01/17	03/31/18	0	84,295	(0)
		6937373	C	P062000	113113-5096677	Strano /Michael S.	07/01/17	06/30/18	0	97,406	(0)
		6938889	C	P067952	114506-5096447	Kellis /Manolis	04/01/18	03/31/19	(1,196)	83,249	(0)
		6939060	C	P062000	113113-5096677	Strano /Michael S.	07/01/18	06/30/19	(765)	116,025	(0)
		6939811	C	P067952	114963-5104790	Barzilay /Regina	07/15/18	03/31/21	0	88,119	55,538
		6939891	C	P065004	113098-5109806	Guo /Ming	09/01/18	08/31/19	17,952	52,999	(51,876)
		6940400	C	P165000	117127-5108050	Engelward /Bevin P	09/15/18	06/30/19	(1,070)	38,427	0
		6940743	C	P067952	114506-5096447	Kellis /Manolis	04/01/19	03/31/20	81,049	81,665	616
		6941333	C	P165000	117127-5108052	Engelward /Bevin P	07/01/19	06/30/20	73,307	72,618	(689)
		6941627	C	P062000	113113-5096677	Strano /Michael S.	07/01/19	06/30/20	131,250	127,627	(3,623)
		6942040	C	P035000	111922-5115321	Ratti /Carlo	05/01/19	03/31/20	6,218	9,400	3,182
		6942105	C	P165000	117127-5108050	Engelward /Bevin P	07/01/19	06/30/20	8,220	12,609	4,389
		6942706	C	P035000	116353-5115592	Arcaya /Mariana Clair	08/01/19	07/30/20	16,604	34,638	18,034
	006983 Oregon Health	6939693	C	P267600	1011660_MIT	Fujimoto /James G	04/01/18	01/31/21	161,773	292,141	94,480
		6938948	C	P165000	19-4-80311	Dedon /Peter C	01/01/18	08/31/20	221,902	423,724	72,832
	007229 Research Foundation of SUNY Albany	6938950	C	P165000	19-23-80301	Dedon /Peter C	06/01/18	05/31/20	204,994	241,163	(1,020)
	007233 Rutgers University	6940859	C	P061901	0927 PO#1133368	Collins /James J.	11/01/18	07/31/19	45,712	45,712	0
		6941997	C	P061901	1194	Collins /James J.	08/01/19	07/31/20	105,022	144,004	38,983
	007242 Health Resourc	6937415	C	P151000	1R25OD023756	Sassanfar /Mandana	07/01/17	06/30/21	26,019	117,743	52,216
	007329 The Scripps Research Institute	6937773	C	P165000	5-53446	Tannenbaum /Steven R	10/01/17	05/31/18	0	135,881	(0)
		6938407	C	P069201	5-53517	Lauffenburger /Douglas A	02/01/18	01/31/19	0	76,332	(0)

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		6938790	C	P165000	5-53702	Tannenbaum /Steven R	06/01/18	05/31/19	(167)	135,881	(0)
		6938990	C	P402000	5-53735	Irvine /Darrell J	07/01/18	06/30/19	31,233	420,152	0
		6940241	C	P069201	5-53937	Lauffenburger /Douglas A	02/01/19	01/31/20	56,020	76,331	2,024
		6941161	C	P165000	5-53703	Tannenbaum /Steven R	06/01/19	05/31/20	135,881	135,881	(0)
		6941210	C	P402000	5-54020	Irvine /Darrell J	07/01/19	06/30/20	774,662	874,933	100,271
		6942561	C	P069201	5-54180	Lauffenburger /Douglas A	02/01/20	01/31/21	3,046	90,360	87,314
	007380 Stanford University	6940874	C	P061901	62106626-28291	Chakraborty /Arup K	04/01/19	03/31/20	8,151	38,750	303
		6942127	C	P061901	62196377-28291	Chakraborty /Arup K	04/01/19	03/31/20	88,112	88,112	(0)
	007485 Tufts University	6926449	C	P063007	HS4976 SUBCONTRACT A	Buehler /Markus J	06/01/12	05/31/18	0	50,047	321
		6928474	C	P063007	HS4976 SUBCONTRACT A	Buehler /Markus J	06/01/13	05/31/14	0	154,777	0
		6932172	C	P063007	HS4976	Buehler /Markus J	05/31/14	05/31/15	0	71,501	(0)
		6932883	C	P063007	HS4976	Buehler /Markus J	05/31/15	05/31/16	0	182,355	0
		6934832	C	P063007	HH4976	Buehler /Markus J	05/31/14	05/31/17	0	478,150	0
		6936620	C	P063007	HH4977	Buehler /Markus J	06/01/17	05/31/18	(205)	180,408	652
		6939293	C	P063007	HH4977 / PO# EP0159433	Buehler /Markus J	06/01/18	05/31/19	(975)	174,341	49,557
		6939624	C	P067952	102188-00001-PETER_SZC	Szolovits /Peter	05/01/18	04/30/19	34,066	37,383	3,317
		6941426	C	P152000	HH1241	Pentelute /Bradley L.	08/01/19	08/31/20	41,800	40,000	(1,800)
		6941442	C	P063007	HH4977	Buehler /Markus J	06/10/17	05/31/20	65,247	168,379	103,132
		6941631	C	P067952	102188-00001-PETER_SZC	Szolovits /Peter	05/01/19	04/30/20	34,351	39,429	5,078
		6942047	C	P039070	103076-00001/NIH113/EP0	Boyden /Edward	09/15/19	06/30/20	128,446	131,853	3,407
	007499 University of Ca	6939893	C	P069201	S-001090	Niles /Jacquin	09/19/18	08/31/20	210,904	379,691	65,739
	007529 University of California - Irvine	6930932	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/21	0	5,058	5,058
		6930941	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/15	0	14,466	(0)
		6930942	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/15	0	73,234	0
		6930943	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/15	0	51,358	(0)
		6933139	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/15	06/30/16	0	10,181	0
		6933140	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/15	06/30/16	0	143,282	0
		6933141	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/15	06/30/16	0	61,219	0
		6935065	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/17	0	135,313	(0)
		6935066	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/17	0	69,006	(0)
		6935067	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/17	0	13,844	0
		6937833	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/18	0	18,298	0
		6937834	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/18	0	164,972	0
		6937835	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/18	0	131,187	0
		6938822	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/18	06/30/19	(3,415)	115,806	0
		6938823	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/18	06/30/19	(12,621)	321,323	(0)
		6938824	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/18	06/30/19	(3,703)	14,466	0
		6939796	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/18	06/30/19	19,906	47,653	(0)
		6941300	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/19	06/30/21	128,757	236,178	107,421
		6941301	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/19	06/30/21	244,227	298,081	53,854
		6941302	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/19	06/30/21	27,239	24,571	(2,668)
		6941677	C	P400600	2019-3795	Ghosh /Satrajit S	07/25/19	06/30/21	58,809	158,584	99,775
007534 University of California-San Diego	6936867	C	P061901	91379849 (PO# S9001710)	Bhatia /Sangeeta N	07/01/17	06/30/20	180,748	683,770	65,900	
	6937078	C	P152000	101443667 (PO# S9001920)	Nolan /Elizabeth Marie	06/01/17	05/31/20	127,403	430,000	58,795	
007539 University of Ke	6938783	C	P069201	3200001830-18-315	Lauffenburger /Douglas A	04/01/18	03/31/20	119,962	253,104	273	

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007611 University of Cc	007611 University of Cc	6941937	C	P402000	357361	Hemann /Michael	06/10/19	05/31/20	100,963	112,940	11,977
	007616 University of Southern California	6937830	C	P400600	96266729	Wickersham /Ian R.	09/20/17	06/30/18	0	92,986	0
		6939012	C	P400600	96266729 ; REFERENCE 1	Wickersham /Ian R.	07/01/18	05/31/19	2,038	92,986	696
007617 University of Minnesota		6941145	C	P400600	96266729 ; REFERENCE 1	Wickersham /Ian R.	07/01/18	05/31/20	78,829	92,986	14,157
	007617 University of Minnesota	6937571	C	P400600	A006079901	Harnett /Mark Thomas	07/15/17	06/30/19	(4,599)	144,451	1,488
		6942674	C	P039070	A007605201	Boyden /Edward	09/01/19	08/31/22	144,908	305,156	160,248
007623 University of Ch		6941935	C	P061901	AWD100339 (SUB0000009	Mirny /Leonid A	05/01/19	08/31/20	50,967	51,188	221
007625 University of California		6934457	C	P402000	2016-3340	Housman /David E	04/01/16	03/31/17	0	220,859	0
		6936684	C	P402000	2016-3340	Housman /David E	04/01/17	03/31/18	0	218,903	0
		6938706	C	P402000	2016-3340	Housman /David E	04/01/18	03/31/19	0	216,364	0
		6941042	C	P402000	2016-3340	Housman /David E	04/01/19	03/31/20	167,881	213,925	189
007630 University of Pennsylvania		6938240	C	P039070	573341	Boyden /Edward	11/15/17	05/31/19	(319)	459,443	0
		6940083	C	P061901	SUB #565369 / PO# PO# T	Bhatia /Sangeeta N	09/01/18	06/30/19	(476)	10,373	0
007633 University of Me		6942722	C	P039070	PO#1000001612/SUBAWA	Boyden /Edward	01/01/20	10/31/20	43,794	75,300	31,506
007637 University of Te		6935645	C	P400600	UTA16-001174	Ghosh /Satrajit S	09/23/16	07/31/21	55,333	345,985	56,342
007639 University of W;		6943230	C	P061901	UWSC11899/PO#48380	Collins /James J.	03/10/20	02/28/21	0	186,000	186,000
007641 University of Michigan		6934493	C	P039070	SUBAWARD NO. 3004053;	Boyden /Edward	07/01/16	04/30/21	(2,212)	819,401	(8,241)
		6938961	C	P402000	SUBK00009075 / PO#3005	Yaffe /Michael B	04/01/18	05/31/19	(1,883)	218,400	(0)
		6939952	C	P402000	SUBK00010385	Yaffe /Michael B	04/01/18	05/31/19	0	12,907	0
		6939963	C	P402000	SUBK00010396	Yaffe /Michael B	04/01/18	05/31/19	(336)	10,253	0
		6941387	C	P402000	SUBK00011520	Yaffe /Michael B	06/01/19	05/31/21	0	0	0
		6941388	C	P402000	SUBK00011520	Yaffe /Michael B	06/01/19	05/31/21	39,405	67,037	27,632
007642 University of Massachusetts		6934311	C	P400600	WA00803340/OSP2016201	Ghosh /Satrajit S	04/15/16	01/31/21	0	0	0
		6934312	C	P400600	WA00803347/ OSP201619	Ghosh /Satrajit S	04/15/16	01/31/21	0	0	0
		6934313	C	P400600	WA00434051/OSP2016201	Ghosh /Satrajit S	04/15/16	01/31/17	0	9,526	(0)
		6934314	C	P400600	WA00433490/OSP2016196	Ghosh /Satrajit S	04/15/16	01/31/17	0	123,488	0
		6936130	C	P400600	WA00536446 / OSP201620	Ghosh /Satrajit S	02/01/17	01/31/18	0	28,336	0
		6936131	C	P400600	WA00536449/OSP2016196	Ghosh /Satrajit S	02/01/17	01/31/18	0	179,880	0
		6937955	C	P159300	18-010032 A00	Miller /Earl K	07/20/17	07/19/20	125,359	397,285	(6,432)
		6938650	C	P400600	WA00434051/OSP2016201	Ghosh /Satrajit S	02/01/18	01/31/19	0	19,489	779
		6938652	C	P400600	OSP2016196	Ghosh /Satrajit S	02/01/18	01/31/19	(261)	154,800	261
		6939279	C	P061901	OSP2018099/ PO NO.WA0	Mirny /Leonid A	08/01/18	05/31/20	94,707	198,374	6,329
		6940496	C	P400600	WA00803340/OSP2016201	Ghosh /Satrajit S	02/01/19	01/31/20	13,765	20,604	(14)
		6940498	C	P400600	WA00803347/ OSP201619	Ghosh /Satrajit S	02/01/19	01/31/20	48,757	180,364	(18)
		6942854	C	P400600	WA00973155/OSP2016201	Ghosh /Satrajit S	02/01/20	01/31/21	8,132	19,489	11,357
		6942855	C	P400600	WA00803347/ OSP201619	Ghosh /Satrajit S	02/01/20	01/31/21	43,564	159,633	116,069
007654 University of Massachusetts Medical Center		6933260	C	P061901	WA00363842/OSP201610C	Mirny /Leonid A	09/30/15	07/31/16	0	183,130	0
		6933357	C	P069850	WA00753479/OSP2017052	Cisse /Ibrahim I	09/30/15	07/31/20	(24,016)	75,728	(15,791)
		6935160	C	P069850	WA00474875/OSP2017051	Cisse /Ibrahim I	08/01/16	07/31/17	0	105,120	(0)
		6935206	C	P061901	WA00474873/OSP201705C	Mirny /Leonid A	08/01/16	07/31/17	0	351,191	(5,989)
		6936249	C	P067952	WA00540618/OSP2017186	Kellis /Manolis	02/01/17	01/31/21	0	755	755
		6936250	C	P067952	WA00540618/OSP2017186	Kellis /Manolis	02/01/17	01/31/18	0	187,557	(0)
		6937565	C	P069850	WA00620169/OSP2017052	Cisse /Ibrahim I	08/01/17	07/31/18	0	82,135	0
		6937640	C	P061901	WA00620167 / OSP201705	Mirny /Leonid A	08/01/17	07/31/18	0	495,992	(0)
		6938367	C	P067952	WA00665463/OSP2017186	Kellis /Manolis	02/01/18	01/31/19	0	238,906	0

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		6939645	C	P402000	OSP2018125	Anderson /Daniel Griffith	09/10/18	07/31/19	99,909	245,128	(0)
		6939744	C	P061901	WA00753477/ OSP201705	Mirny /Leonid A	08/01/18	07/31/19	34,443	344,110	1,818
		6939859	C	P069850	WA00753479/OSP2017052	Cisse /Ibrahim I	08/01/18	07/31/19	35,055	86,631	0
		6940335	C	P067952	WA00805796/OSP2017186	Kellis /Manolis	02/01/19	01/31/20	234,273	240,000	74
		6941685	C	P402000	OSP2018125	Anderson /Daniel Griffith	08/01/19	07/31/20	136,392	257,236	120,844
		6941781	C	P061901	WA00904156/OSP2017050	Mirny /Leonid A	08/01/19	07/31/20	356,375	333,520	(22,855)
		6942030	C	P069850	WA00904158/OPS2017052	Cisse /Ibrahim I	08/01/19	07/31/20	70,677	86,636	15,959
		6942714	C	P067952	WA00540618/OSP2017186	Kellis /Manolis	02/01/20	01/31/21	145,359	240,000	94,641
	007669 University of Florida	6933008	C	P165000	PRIME 00124227, SUB UFI	Dedon /Peter C	09/01/15	08/31/19	31,882	441,936	(0)
		6939490	C	P067952	UFDSP00012280	Davis /Randall	08/01/17	05/31/20	0	44,411	44,411
	007671 University of Pittsburgh	6933995	C	P069201	NO. 0048768 (127337-1)	Lauffenburger /Douglas A	01/15/16	11/30/19	1,642	269,468	(0)
		6939246	C	P065004	CNVA0060623 (131345-1)	Hogan /Neville	07/01/18	06/30/20	30,299	133,174	22,628
		6943008	C	P065004	AWD00001777 (133980-1)	Hogan /Neville	03/01/20	02/28/21	18,455	139,040	120,585
	007672 University of Kansas	6935990	C	P062000	FY2017-077	Doyle /Patrick S	04/01/17	01/31/20	46,122	188,620	(97)
	007680 University of Rochester	6940288	C	P067952	417479 / URFAO: GR51088	Katabi /Dina	09/30/18	07/31/19	(37,785)	217,536	166,388
		6942202	C	P067952	417479 / URFAO: GR51088	Katabi /Dina	08/01/19	07/31/20	21,081	167,536	146,455
	007699 Vanderbilt University	6941961	C	P402000	VUMC77355	Yilmaz /Omer	07/09/19	05/31/20	107,335	72,288	(35,047)
	007719 University of California - San Francisco	6932939	C	P061901	8943SC	Chakraborty /Arup K	08/15/15	04/30/21	57,804	695,166	200,404
		6934999	C	P061901	9574SC	Chakraborty /Arup K	07/01/16	06/30/20	181,318	421,437	12,306
		6935000	C	P061901	9583SC	Chakraborty /Arup K	07/01/16	06/30/20	73,724	355,689	519
	007765 Washington University	6930818	C	P063007	WU-15-56	Buehler /Markus J	08/01/14	07/31/19	0	0	0
		6931688	C	P063007	WU-15-56	Buehler /Markus J	08/01/14	07/31/15	0	90,104	(0)
		6933457	C	P063007	WU-16-102	Buehler /Markus J	08/01/15	07/31/16	0	19,237	0
		6935215	C	P063007	WU-17-149	Buehler /Markus J	08/01/16	07/31/17	0	55,990	0
		6937711	C	P063007	WU-18-160	Buehler /Markus J	08/01/17	07/31/19	0	107,445	46,854
	007845 Yale University	6935083	C	P402000	GK000523 (CON-80000585	Love /John C	06/01/16	06/30/20	42,259	729,750	285,275
		6936068	C	P402000	M17A12653(A10974)	Love /John C	12/19/16	11/30/19	0	94,149	94,149
		6936069	C	P402000	M17A12653(A10974)	Love /John C	12/19/16	11/30/17	0	62,330	(0)
		6936332	C	P061901	M17A12653(A10974)	Shalek /Alexander K	12/19/16	11/30/17	0	118,259	(0)
		6937723	C	P402000	GR100963(CON-80001033	Love /John C	07/01/17	07/31/19	13,083	172,566	0
		6937923	C	P061901	GR100963(CON-80001033	Shalek /Alexander K	07/01/17	07/31/19	8,769	176,556	(0)
		6937937	C	P402000	M17A12653(A10974)	Love /John C	12/01/17	11/30/18	0	115,025	(0)
		6937938	C	P061901	M17A12653(A10974)	Shalek /Alexander K	12/01/17	11/30/18	0	114,992	0
		6940272	C	P402000	M17A12653(A10974)	Love /John C	12/01/18	11/30/19	55,395	68,210	(0)
		6940273	C	P061901	M17A12653(A10974)	Shalek /Alexander K	12/01/18	11/30/19	17,594	110,238	(0)
		6940556	C	P121012	GR105733 (CON-8000170	Yoeli /Erez	01/11/19	12/31/20	12,937	17,164	4,227
		6942820	C	P402000	M17A12653(A10974)	Love /John C	12/01/19	11/30/20	37,295	111,068	73,773
		6942821	C	P061901	M17A12653(A10974)	Shalek /Alexander K	12/01/19	11/30/20	0	111,068	111,068
	007867 University of Louisville	6941981	C	P402000	330185-01	Irvine /Darrell J	09/16/19	06/30/20	391,074	387,807	(3,267)
	010085 The Broad Institute, Inc.	6930971	C	P159300	5610221-5500000694	Tsai /Li-Huei	09/10/14	06/30/20	0	100,898	100,898
		6930972	C	P159300	5610221-5500000694	Tsai /Li-Huei	07/01/14	06/30/15	0	314,214	0
		6932661	C	P159300	5610222-5500000694	Tsai /Li-Huei	07/01/15	06/30/16	0	307,464	0
		6934716	C	P159300	5610223-5500000694	Tsai /Li-Huei	07/01/16	06/30/17	0	307,464	(0)
		6937168	C	P159300	5610221-5500000694	Tsai /Li-Huei	04/02/17	06/30/18	0	307,464	(0)

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		6939273	C	P159300	5610225-5500000694	Tsai /Li-Huei	04/02/18	06/30/19	(42,283)	307,464	0
		6939401	C	P402000	5000094-5500000814	Jacks /Tyler E	09/01/18	08/31/19	54,130	280,800	0
		6940011	C	P159300	5610227-5500001212	Tsai /Li-Huei	09/12/18	06/30/19	(26,744)	0	0
		6940012	C	P159300	5610227-5500001212	Tsai /Li-Huei	09/12/18	06/30/19	193,806	232,040	(0)
		6940346	C	P267110	5700171-5500000731	Han /Jongyeon	02/01/19	01/31/20	79,676	173,270	(0)
		6941603	C	P159300	5610226-5500000694	Tsai /Li-Huei	07/01/19	06/30/20	296,523	307,464	10,941
		6942313	C	P152000	50000652-5500001352	Kiessling /Laura L	08/07/19	07/31/20	0	0	0
		6942487	C	P152000	50000652-5500001352	Kiessling /Laura L	08/07/19	07/31/20	36,936	140,083	103,147
		6942491	C	P152000	50000651-5500001353	Kiessling /Laura L	08/07/19	07/31/20	9,174	10,768	1,594
		6942494	C	P152000	50000655-5500001351	Pentelute /Bradley L.	08/07/19	07/31/20	0	0	0
		6942539	C	P152000	50000655-5500001351	Pentelute /Bradley L.	08/07/19	07/31/20	159,346	310,428	151,082
		6942540	C	P152000	5000651-550000135	Kiessling /Laura L	08/07/19	07/31/20	117,487	638,026	520,539
		6942541	C	P267600	50000655-5500001351	Lu /Timothy K	08/07/19	07/31/20	109,480	183,796	74,316
		6942542	C	P061901	50000655-5500001351	Bhatia /Sangeeta N	08/07/19	07/31/20	104,794	334,633	229,839
	010211 Vanderbilt University Medical Center	6932914	C	P402100	VUMC 36112	Fox /James G	07/01/15	06/30/20	0	231	231
		6933078	C	P402100	VUMC 36112	Fox /James G	07/01/15	04/29/16	0	44,477	(0)
		6934167	C	P402100	VUMC 36112	Fox /James G	04/30/16	06/30/16	0	24,967	(0)
		6934526	C	P402100	VUMC 36112	Fox /James G	07/01/16	06/30/17	0	163,440	(0)
		6936710	C	P402100	VUMC 36112	Fox /James G	07/01/17	06/30/18	0	170,000	0
		6938922	C	P402100	VUMC 36112	Fox /James G	07/01/18	06/30/19	(9,225)	167,691	0
		6941207	C	P402100	VUMC 36112	Fox /James G	07/01/19	09/30/20	107,480	164,404	56,924
	010355 Mayo Clinic Rochester	6936768	C	P402000	MAS-228292 PO#6535310	White /Forest M	06/01/17	05/31/20	0	59,053	0
		6939581	C	P402000	MAS-228292 PO#6535310	White /Forest M	06/01/18	05/31/19	8,234	120,347	50,827
		6941368	C	P402000	MAS-228292 PO#6535310	White /Forest M	06/01/19	05/31/20	87,976	88,000	24
	010427 University of Connecticut Health Center	6926485	C	P151054	UCHC6-34616290	Burge /Christopher B	09/21/12	06/30/19	0	402,045	0
		6928552	C	P151054	UCHC6-43110843	Burge /Christopher B	08/01/13	07/31/14	0	373,293	(0)
		6930469	C	P151054	UCHC6-54577930	Burge /Christopher B	08/01/14	07/31/15	0	388,655	0
		6932765	C	P151054	UCHC6-66263781	Burge /Christopher B	08/01/15	07/31/16	0	514,533	0
		6933062	C	P151054	UCHC6-67937397	Burge /Christopher B	09/21/15	07/31/16	0	85,170	(0)
		6934876	C	P151054	UCHC6-79257861	Burge /Christopher B	08/01/16	07/31/17	0	208,010	(0)
		6936790	C	P151054	UCHC7-88094960-A3	Burge /Christopher B	04/28/17	03/31/19	0	449,999	(0)
		6938541	C	P151054	UCHC7-129146661-A6	Burge /Christopher B	02/05/18	01/31/21	0	66,140	66,140
		6938543	C	P151054	UCHC7-115886049- CORE	Burge /Christopher B	02/05/18	01/31/19	0	6,931	0
		6938544	C	P151054	UCHC7-115886049	Burge /Christopher B	02/05/18	01/31/19	0	15,911	(0)
		6938545	C	P151054	UCHC7-115886049	Burge /Christopher B	02/05/18	01/31/19	0	16,412	(0)
		6940350	C	P151054	UCHC7-115886049 - COR	Burge /Christopher B	02/05/18	01/31/20	26,470	33,483	0
		6940351	C	P151054	UCHC7-115886049 - COR	Burge /Christopher B	02/05/18	01/31/20	312,609	587,067	138,794
		6940352	C	P151054	UCHC7-115886049- CORE	Burge /Christopher B	02/05/18	01/31/20	30,584	48,658	(0)
		6942557	C	P151054	UCHC7-115886049	Burge /Christopher B	02/01/20	01/31/21	9,065	22,651	13,586
		6942558	C	P151054	UCHC7-115886049	Burge /Christopher B	02/01/20	01/31/21	170,345	318,584	148,239
		6942559	C	P151054	UCHC7-115886049	Burge /Christopher B	02/01/20	01/31/21	22,070	48,756	26,686
	010444 Praevium Rese	6940040	C	P267600	AGMT DTD 9/17/2018	Fujimoto /James G	09/17/18	08/31/20	151,682	310,402	121,110

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	010888 Superconductin	6938777	C	P243020	AGMT. DTD. 9/22/15	Bromberg /Leslie	01/01/18	06/14/19	121	194,834	(0)
	010954 Texas Biomedical Research Institute	6934813	C	P402000	PO 39803	Irvine /Darrell J	07/13/16	06/30/17	0	364,557	0
		6936815	C	P402000	PO 39803	Irvine /Darrell J	07/01/17	06/30/18	0	367,196	(0)
		6939522	C	P402000	PO 39803	Irvine /Darrell J	07/01/18	06/30/19	6,040	364,657	0
	011005 Icahn School of	6939068	C	P402000	0255-8673-4609	Love /John C	06/01/18	05/31/19	12,666	77,350	33,885
	011558 LeafLabs, LLC	6938518	C	P039070	AGREEMENT DATED 9/21	Boyden /Edward	09/21/17	09/30/18	(56,067)	0	0
		6941266	C	P039070	AGREEMENT DTD 09/13/2	Boyden /Edward	09/13/18	08/31/19	221,614	221,614	(0)
	011665 Integrated Labo	6939579	C	P165000	SUB UNDER U44ES02469	Engelward /Bevin P	09/01/18	06/30/20	227,432	550,000	187,094
	011810 Stowers Institut for Medical Research	6932380	C	P400600	102108 NIH 0070	Lin /Yingxi	07/01/15	06/30/19	0	52,953	(0)
		6934280	C	P400600	102108 NIH0070	Lin /Yingxi	07/01/16	06/30/17	0	47,680	0
		6936701	C	P400600	102108 NIH0070	Lin /Yingxi	07/01/17	06/30/18	0	47,380	0
		6938968	C	P400600	102108 NIH 0070	Lin /Yingxi	07/01/18	06/30/19	0	10,262	0
	011908 Seattle Children's Hospital	6936290	C	P061901	11607SUB	Shalek /Alexander K	07/01/16	06/30/17	0	43,643	(0)
		6937901	C	P061901	11607SUB	Shalek /Alexander K	07/01/17	06/30/18	0	45,183	0
	100486 La Jolla Institut for Allergy and Immunology	6934303	C	P402000	22496-33-382	Irvine /Darrell J	02/01/16	01/31/17	0	135,419	(0)
		6935739	C	P402000	22497-33-382	Irvine /Darrell J	12/06/16	01/31/18	0	107,389	0
		6938434	C	P402000	22498-33-382	Irvine /Darrell J	02/01/18	01/31/19	0	128,090	0
		6940706	C	P402000	22496-33-382	Irvine /Darrell J	02/01/19	01/31/20	121,846	174,846	(1,460)
		6942060	C	P069201	27909-01-133-408	Lauffenburger /Douglas A	05/01/19	04/30/20	81,368	81,368	(0)
		6943342	C	P069201	27909-01-133-408	Lauffenburger /Douglas A	05/01/20	07/30/20	9,542	0	(9,542)
	101403 Boston Biomed	6935091	C	P061901	115622	Edelman /Elazer R	10/01/16	05/31/19	2,553	312,000	0
	101427 Massachusetts	6940820	C	P267500	SUBAWARD NO. 530673	Lang /Jeffrey H	04/01/19	03/31/21	114,193	241,052	126,859
	101870 University of California, Los Angeles	6938069	C	P402000	0125 G VB305	White /Forest M	09/25/17	08/31/18	0	83,805	(0)
		6939958	C	P402000	0125 G VB305	White /Forest M	09/01/18	08/31/19	25,231	86,222	0
		6941247	C	P069201	1554 G WC474	Bryson /Bryan David	07/01/19	06/30/20	63,670	152,150	88,480
		6941880	C	P402000	0125 G VB305	White /Forest M	09/01/19	08/31/20	71,639	83,864	12,225
		6942046	C	P069201	1554 G XA369	Bryson /Bryan David	07/12/19	07/31/20	66,008	106,162	40,154
		6942462	C	P400600	2000 G XH151	Jazayeri /Mehrdad	09/30/19	09/29/20	0	0	0
		6942479	C	P400600	2000 G XH151	Jazayeri /Mehrdad	09/30/19	09/29/20	17,795	100,344	82,549
	102237 Wyss Institute	6942359	C	P061901	168019.0302	Collins /James J.	08/15/19	07/31/20	0	2,333	2,333
	102938 European Bioinformatics Institute	6937687	C	P067952	2582	Kellis /Manolis	08/01/17	05/31/20	0	8,634	8,634
		6937688	C	P067952	SUBAWARD # 2582 FEDE	Kellis /Manolis	06/01/17	05/31/18	0	165,298	0
		6938887	C	P067952	2582	Kellis /Manolis	06/01/18	05/31/19	0	139,949	0
		6941340	C	P067952	MIT-2582-04	Kellis /Manolis	06/01/19	05/31/20	178,726	179,761	1,035
	103085 Janssen Vaccin	6936202	C	P402000	HHSN272200800056C	Love /John C	05/17/17	05/17/20	25,289	151,650	(192)
	103923 Somagenics, In	6942104	C	P062000	SBIR SUB AGMT EFF 10/1	Hammond /Paula T	10/01/19	08/31/21	102	15,000	14,898
	104786 DeNovX, LLC	6940412	C	P062000	SBIR DTD 03/22/2019	Myerson /Allan S.	03/22/19	02/28/21	106,156	395,881	265,710
	104809 Rectify Pharm	6941235	C	P151002	AGREEMENT DATED 04/0	Schwartz /Thomas	05/01/19	10/31/20	84,240	133,504	49,264
	104927 Novopyxis, Inc.	6940061	C	P069201	AGMT DTD 11/29/2018	Weiss /Ron	10/01/18	09/30/20	12,939	67,828	44,413
	104933 Tissuevision Inc	6941263	C	P400600	AGREEMENT DTD 9/15/20	Boyden /Edward	09/15/17	08/31/19	152,161	150,000	(2,161)
	105967 Board of Regen	6940330	C	P402100	30835-62	Erdman /Susan E	02/01/19	11/30/20	52,639	125,000	2,344
	106158 SaferMed, LLC	6941956	C	P067952	1R41LM013050-01	Barzilay /Regina	10/18/19	05/31/20	89,758	90,000	242
	106317 Augusta Univer	6942168	C	P267500	31733-2	Anikeeva /Polina Olegovna	06/01/19	05/31/21	58,344	64,193	5,849
Total by Primary Sponsor									128,565,391	568,257,569	101,346,748

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
000360 U.S. Department of Health and Human Services	000360 U.S. Department of Health and Human Services	6932856	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/15	09/29/20	0	0	0
		6933023	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/15	09/29/16	0	500,000	0
		6934898	C	P067952	HHSP233201500054C/DUN	Brewer /Judith A	09/30/16	09/29/17	0	498,196	(0)
		6936835	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/17	09/29/18	0	499,963	(0)
		6939153	C	P067952	HHSP233201500054C DUN	Brewer /Judith A	09/30/18	09/29/19	149,054	499,034	0
		6941573	C	P067952	HHSP233201500054C DUN	Brewer /Judith A	09/30/19	09/29/20	346,106	500,000	153,894
	Total by Primary Sponsor								495,161	2,497,193	153,894
000400 NASA - Washington (USE FOR PROPOSALS ONLY)	004639 Univ. Corporation	6941885	C	P153000	SUBAWD001618	Solomon /Susan	08/01/19	02/23/22	6,719	70,679	63,960
	005165 Applied Physics	6941599	C	P153000	158669	Soderblom /Jason	09/05/19	12/31/21	16,247	71,021	54,774
	005173 Arizona State University	6937561	C	P153000	SUBCONTRACT NO. 17-25	Weiss /Benjamin P	07/01/17	09/23/22	0	85,678	85,678
		6937562	C	P153000	SUBCONTRACT NO. 17-25	Weiss /Benjamin P	07/01/17	09/23/22	176,337	437,703	32,005
		6937563	C	P153000	SUBCONTRACT NO. 17-25	Binzel /Richard P	07/01/17	09/23/22	6,806	49,072	13,321
		6937564	C	P153000	SUBCONTRACT NO. 17-25	Zuber /Maria	07/01/17	09/23/22	27,118	35,912	8,794
		6938278	C	P153000	SUBCONTRACT NO. 17-25	Weiss /Benjamin P	07/01/17	08/31/19	0	198,558	35
		6936096	C	P061094	7000000324 / TRISH PROJ	Hoffman /Jeffrey A	10/01/16	09/30/20	271,479	936,762	(8,938)
	005246 Baylor College of Medicine	6939745	C	P402000	NNX16A069A/PO#7000004	Langer /Robert S	11/01/18	10/31/19	26,175	199,437	(0)
		6941141	C	P039000	7000000324 / TRISH PROJ	Ito /Joichi	04/01/19	12/31/19	349,817	349,817	0
		6932364	C	P153000	1532689	Soderblom /Jason	06/24/15	09/30/21	24,058	108,848	(6,041)
	005410 CalTech - Jet Propulsion Lab	6935834	C	P153000	RSA 1569352	de Wit /Julien	02/23/17	03/31/20	105	56,917	0
		6936482	C	P153000	CREI 1576768	Weiss /Benjamin P	05/25/17	09/23/22	451,277	1,150,735	227,813
		6937443	C	P153000	RSA 1584272	Bosh /Amanda S.	08/01/17	07/02/19	(14)	10,625	0
		6938408	C	P159600	1597152	Simcoe /Robert A	02/23/18	01/08/20	0	11,750	3,871
		6939724	C	P159600	RSA NO. 1613943	Marshall /Herman	09/21/18	09/27/20	5,809	10,000	4,191
		6939956	C	P401710	SUBCONTRACT NO. 1610	Knapp /Mary Elizabeth	08/01/18	09/29/19	7,849	29,925	(0)
		6940268	C	P159600	RSA 1610091	Crossfield /Ian Jm	08/01/18	06/19/20	11,664	13,575	1,911
		6940456	C	P153000	RSA 1626219	Seager /Sara	05/03/19	09/29/19	26,527	30,000	0
		6940615	C	P159600	RSA 1622220	Crossfield /Ian Jm	02/05/19	09/27/20	0	11,750	11,750
		6941778	C	P159600	1633043	Canizares /Claude R	06/27/19	09/27/20	5,933	10,000	4,067
		6942115	C	P153000	RSA NO. 1640511	Seager /Sara	10/16/19	09/27/20	11,943	11,943	(0)
		6942481	C	P159600	RSA 1633754	Seager /Sara	07/10/19	07/10/21	0	12,350	12,350
	005521 Cornell University	6939699	C	P153000	83292-11129	Soderblom /Jason	06/11/18	06/10/20	53,722	113,165	367
		6943483	C	P153000	87941-11363	Soderblom /Jason	07/24/19	07/23/22	0	44,459	44,459
	005935 Georgia Institute	6940429	C	P153000	RK617-G5	Carr /Christopher E	09/01/18	08/31/23	78,844	95,360	16,516
	006622 Washington Un	6943244	C	P061094	WU-20-335	Barrett /Steven R. H.	12/01/19	11/30/20	373	14,154	13,781
	006663 Michigan Technological University	6937089	C	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	06/15/17	12/31/20	340,271	1,006,821	(48,839)
		6937520	C	P061093	NNX17AJ32G	Wardle /Brian L	06/15/17	12/31/20	113,677	300,000	(57,967)
		6938436	C	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	01/16/18	12/31/20	830	14,150	5,317
		6939521	C	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	09/01/18	12/31/20	1,667	13,750	(212)
		6940754	C	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	05/01/18	12/31/20	0	15,279	12,717
		6940950	C	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	06/15/17	12/31/19	0	0	0
	006960 Old Dominion U	6933006	C	P061093	RF PROJECT NO.: 16-134-	Darmofal /David L	10/01/15	08/18/19	(2)	149,676	(0)
	006968 ESPACE	6941851	C	P061090	ESP-8-27-19	Lozano /Paulo C	08/18/19	05/18/20	73,049	73,624	574
	007005 National Institut	6937296	C	P061093	SUBCONTRACT T13-6500	Hansman /Robert J	09/20/17	04/30/19	0	162,000	3
	007070 Pennsylvania S	6935503	C	P159600	5586-MIT-NASA-B07G	Bautz /Marshall W	10/18/16	10/17/20	369,286	1,031,218	134,353

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	007360 Smithsonian Ins - Astrophysical Observatory	6940590	C	P159600	GO9-20117A	McDonald /Michael A.	02/25/19	02/24/21	26,774	128,837	102,063
		6941239	C	P159600	GO9-20018X	Guenther /Hans M	02/25/19	02/24/21	0	42,790	42,790
		6941717	C	P159600	AR9-20009X	Bautz /Marshall W	04/03/19	04/02/21	34,981	54,999	20,018
		6942230	C	P159600	GO9-20029X	Chakrabarty /Deepto	10/30/19	10/29/21	0	27,231	27,231
		6942233	C	P159600	GO9-20005A	Huenemoerder /David P	10/03/19	10/02/21	6,314	52,495	46,181
		6942234	C	P159600	GO8-19086A	Baganoff /Frederick K	11/19/19	11/18/21	0	17,178	17,178
		6942692	C	P159600	AR0-21002B	Huenemoerder /David P	01/29/20	01/28/22	0	20,000	20,000
		6942757	C	P159600	GO0-21015A	Schulz /Norbert S	01/14/20	01/13/22	0	148,344	148,344
		6942802	C	P159600	GO0-21004B	Canizares /Claude R	01/14/20	01/13/22	0	13,733	13,733
		6942804	C	P159600	GO0-21021X	Guenther /Hans M	01/14/20	01/13/22	0	17,700	17,700
	007362 Space Telescope Science Institute	6939755	C	P153000	50998	Seager /Sara	10/18/18	04/30/20	17,721	79,636	675
		6943190	C	P153000	51787	Seager /Sara	05/05/20	04/30/21	0	23,858	23,858
	007372 Southwest Research Institute	6893453	C	P153000	299433Q/SUB UNDER NA	Binzel /Richard P	01/15/02	09/25/20	84,753	993,864	17,992
		6938097	C	P153000	K99059JRG	Binzel /Richard P	06/01/17	09/25/20	15,238	139,636	103,833
		6943416	C	P153000	N99069EH	Person /Michael J	05/15/20	05/14/21	6,992	48,305	41,313
	007398 Syracuse Unive	6935422	C	P061093	28469-04461-S01	Haimes /Robert	08/10/16	08/09/20	147,518	298,622	25,563
	007509 Universities Sp	6938190	C	P153000	SOF-06-0160	Person /Michael J	03/01/18	02/29/20	2,575	23,000	0
	007519 University of Al	6940732	C	P159600	2019-064	Richardson /John D	03/01/19	01/31/22	6,167	51,377	45,210
	007615 University of Arizona	6935314	C	P061090	PO 363458	Binzel /Richard P	11/13/16	09/30/20	738,506	2,141,000	203,874
		6938420	C	P267500	PO NO. 440148	Hu /Qing	01/01/18	09/30/20	243,223	899,999	83,971
	007616 University of So	6942679	C	P063007	128759572	Entekhabi /Dara	01/20/20	12/31/20	50,174	159,661	109,487
	007680 University of Rochester	6941403	C	P267100	RSA NO. 1630194	Ketterle /Wolfgang	05/27/19	05/08/20	37,446	37,500	54
		6941404	C	P267100	RSA NO. 1630194	Vuletic /Vladan	05/27/19	05/08/20	37,881	37,500	(381)
	007741 University of M	6942704	C	P153000	85734-Z6249201	Cronin /Timothy Wallace	01/01/20	12/31/21	45,813	79,443	33,630
	007827 Woods Hole Oc	6935447	C	P067952	A101331	Williams /Brian C	08/15/16	08/14/20	216,409	372,272	47,397
	010456 LongWave Pho	6939454	C	P267500	SBIR UNDER 80NSSC18C	Hu /Qing	05/08/18	05/07/20	189,247	225,000	60
	104645 FGC Plasma Sc	6939059	C	P065004	STTR DTD. 08/09/2018	Ghoniem /Ahmed F	06/02/18	08/31/19	758	40,000	0
	105716 Combustion Re	6942081	C	P068000	SBIR UNDER 80NSSC19C	Baglietto /Emilio	09/03/19	03/31/20	30,000	30,000	(0)
	Total by Primary Sponsor								4,396,056	13,140,692	1,822,385
000401 NASA - Pasadena	005410 CalTech - Jet Propulsion Lab	6899758	C	P159600	1283622	Richardson /John D	06/01/06	09/27/20	362,825	4,739,839	(190,950)
		6930713	C	P063007	SUBCONTRACT NO. 1510	Entekhabi /Dara	04/01/14	09/30/20	376,421	1,788,723	161,183
		6936100	C	P153000	CREI 1572041	Wunsch /Carl Isaac	03/30/17	11/21/21	267,086	1,145,750	326,732
		6938549	C	P267100	RSA NO. 1592882	Ketterle /Wolfgang	12/02/17	09/02/18	0	1,919	319
		6938775	C	P267100	RSA NO. 1592882	Ketterle /Wolfgang	12/02/17	09/02/18	0	31,801	0
		6938776	C	P267100	RSA NO. 1592882	Vuletic /Vladan	12/02/17	09/02/18	0	33,780	0
		6939413	C	P159600	RSA 1611947	Shporer /Abraham-Avi	08/24/18	06/19/20	12,023	18,300	84
		6939446	C	P153000	RSA 1612723	Hill /Christopher N	09/10/18	09/30/20	31,304	168,224	98,416
		6939711	C	P061094	SUB# 1613399	Hoffman /Jeffrey A	09/13/18	10/31/19	0	60,000	23
		6939828	C	P267200	RSA 1615555	Ram /Rajeev J	10/01/18	09/29/19	16,963	43,213	0
		6939866	C	P267100	RSA NO. 1608107	Ketterle /Wolfgang	07/10/18	05/31/19	0	484	34
		6939867	C	P267100	RSA NO. 1608107	Ketterle /Wolfgang	07/10/18	05/31/19	0	39,057	(0)
		6939868	C	P267100	RSA NO. 1608107	Vuletic /Vladan	07/10/18	05/31/19	0	39,458	0
		6940242	C	P068700	SUBCONTRACT 1619845	Carlone /Luca	12/18/18	09/30/19	68,221	160,648	0
		6940477	C	P417000	CREI 1623249	Romano /Giuseppe	02/21/19	09/29/19	30,580	65,816	(0)

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		6940616	C	P159600	RSA 1622205	Simcoe /Robert A	02/05/19	09/27/20	0	11,750	11,750
		6940961	C	P401710	CREI1628175	Hecht /Michael	05/02/19	09/27/20	70,382	103,087	32,704
		6941992	C	P401710	RSA NO. 1640511	Knapp /Mary Elizabeth	10/16/19	09/27/20	28,643	36,566	7,923
		6942135	C	P039000	RSA NO. 1642646	Wood /Danielle Renee	11/19/19	09/27/20	5,087	50,000	44,913
		6942200	C	P060600	RSA NO. 1640773	Han /Ruonan	10/23/19	09/27/20	9,381	90,000	80,619
		6942321	C	P061097	RSA NO. 1643595	Marzouk /Youssef M	12/09/19	09/27/20	41,643	45,000	3,357
		6942364	C	P068700	SUBCONTRACT 1642734	Carlone /Luca	09/01/19	09/27/20	75,182	100,000	24,818
		6942464	C	P061097	RSA NO. 1640749	Cahoy /Kerri	10/21/19	09/27/20	5,087	55,000	49,913
		6942538	C	P061097	RSA NO. 1646345	Cahoy /Kerri	01/29/20	09/27/20	0	40,000	40,000
		6942894	C	P417000	CREI 1648973	Romano /Giuseppe	03/10/20	09/20/20	16,929	75,000	58,071
		6943058	C	P067952	CREI 1649946	Williams /Brian C	03/06/20	08/31/20	0	1,681	1,681
		6943258	C	P067952	CREI 1651069	Williams /Brian C	05/11/20	03/31/21	0	100,000	100,000
	007641 University of Mi	6941524	C	P153000	SUBK00011438/300561761	Weiss /Benjamin P	06/01/19	09/24/23	96,624	105,382	8,758
Total by Primary Sponsor									1,514,379	9,150,479	860,350
000410 NASA - Marshall Space Flight Center	000410 NASA - Marshall Space Flight Center	6937922	C	P159600	80MSFC17C0012	Marshall /Herman	09/05/17	07/31/20	304,666	513,639	5,608
		6938780	C	P066000	80MSFC18M0033	Schuh /Christopher A	06/21/18	06/20/19	(1,727)	70,000	0
		6941362	C	P066000	80NSSC19K1055	Schuh /Christopher A	05/17/19	11/16/20	94,194	100,000	5,806
		6941693	C	P066000	80MSFC19C0050	Schuh /Christopher A	09/20/19	09/19/20	138,264	250,000	111,736
	005246 Baylor College	6940836	C	P063007	PO# 7000000843	Buehler /Markus J	01/01/19	12/31/20	49,998	75,000	25,002
	007360 Smithsonian Ins - Astrophysical Observatory	6895250	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	06/30/20	0	0	0
		6895251	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	06/30/20	129,266	2,457,627	85,734
		6895252	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	06/30/20	907,439	20,041,857	223,154
		6895253	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	05/31/20	332	2,070,470	168
		6895254	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	06/30/20	1,422,715	22,934,082	195,484
		6895255	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	09/30/21	449,189	12,523,473	235,805
		6926645	C	P159600	SV2-82023	Ricker /George R	10/01/12	08/31/20	364,989	2,665,000	66,303
		6929736	C	P159600	GO4-15091B	Baganoff /Frederick K	03/15/14	03/14/19	0	130,269	(0)
		6931555	C	P159600	AR5-16003X	Canizares /Claude R	01/01/15	02/28/21	0	60,997	39,092
		6933495	C	P159600	GO5-16044X	Canizares /Claude R	01/07/16	01/06/21	0	30,646	12,044
		6933767	C	P159600	GO6-17109X	Miller /Eric D	01/27/16	02/28/21	1,168	38,056	26,764
		6934204	C	P159600	GO6-17022X	Huenemoerder /David P	05/04/16	05/03/20	38,530	38,813	(258)
		6934989	C	P159600	GO6-17134X	Schulz /Norbert S	07/01/16	07/31/20	4,099	59,281	52,596
		6935018	C	P159600	GO6-17128A	McDonald /Michael A.	07/18/16	07/17/19	(5,359)	20,857	0
		6935186	C	P159600	GO6-17019X	Guenther /Hans M	06/21/16	09/30/19	5,235	22,238	(0)
		6935500	C	P159600	GO6-17037X	Canizares /Claude R	09/26/16	11/25/18	0	33,047	(0)
		6935501	C	P159600	GO6-17011X	Guenther /Hans M	11/28/16	11/27/19	34,164	56,569	0
		6935588	C	P159600	GO6-17021X	Guenther /Hans M	01/10/17	01/09/21	30,867	42,282	9,180
		6935779	C	P159600	GO7-18015X	Guenther /Hans M	02/06/17	02/05/21	42,471	53,000	10,532
		6936158	C	P159600	AR7-18001X	Guenther /Hans M	01/01/17	12/31/20	66,617	84,991	17,985
		6936483	C	P159600	GO7-18002C	Canizares /Claude R	03/09/17	03/08/21	15,574	25,121	8,893
		6936843	C	P159600	GO7-18135A	Baganoff /Frederick K	07/18/17	07/17/20	8,917	15,857	319
		6936844	C	P159600	GO7-18035X	Schulz /Norbert S	06/19/17	06/18/20	28,085	44,890	(4)
		6936846	C	P159600	GO7-18134X	Schulz /Norbert S	05/29/17	05/29/20	117,209	166,568	48,969
		6937657	C	P159600	GO7-18012B	Canizares /Claude R	11/13/17	12/13/20	0	15,066	9,999

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		6937952	C	P159600	AR8-19001B	Huenemoerder /David P	01/01/18	01/31/20	12,522	23,110	(0)
		6938403	C	P159600	GO8-19111X	McDonald /Michael A.	01/25/18	09/30/19	5,367	137,403	0
		6938404	C	P159600	GO8-19103X	McDonald /Michael A.	01/28/18	01/27/20	21,721	40,966	0
		6938406	C	P159600	GO8-19038X	Remillard /Ronald A	03/09/18	03/08/20	(1)	25,889	0
		6939871	C	P159600	GO8-19011C	Huenemoerder /David P	07/02/18	07/01/20	20,250	19,999	(251)
		6939903	C	P159600	GO9-20116X	McDonald /Michael A.	09/25/18	01/17/21	64,314	114,180	(289)
		6940085	C	P159600	GO8-19013X	Canizares /Claude R	11/27/18	11/26/20	2,708	101,674	98,966
		6940210	C	P159600	GO8-19036X	Chakrabarty /Deepti	11/27/18	11/26/20	22,406	31,510	4,874
		6940869	C	P159600	GO9-20019X	Guenther /Hans M	02/25/19	02/24/21	0	33,550	33,550
		6940907	C	P159600	GO9-20014X	Guenther /Hans M	02/25/19	02/24/21	0	53,364	53,364
		6942803	C	P159600	GO0-21011X	Guenther /Hans M	01/14/20	01/13/22	0	31,344	31,344
		6942805	C	P159600	GO0-21124A	McDonald /Michael A.	01/09/20	01/08/22	0	27,499	27,499
		6943392	C	P159600	GO0-21114A	McDonald /Michael A.	05/24/20	05/23/22	0	31,705	31,705
	007615 University of Ari	6924918	C	P153000	PURCHASE ORDER 6473	Binzel /Richard P	10/01/11	09/30/20	62,701	688,977	335,876
	104926 Blue Origin, LLC	6942327	C	P061093	PO 15-000002	Crawley /Edward F	07/01/18	02/29/20	120,289	119,976	(314)
	Total by Primary Sponsor								4,579,177	66,120,841	1,807,236
000411 NASA - Johnson Space Center	000411 NASA - Johnson Space Center	6932573	C	P061090	NNX15AR20G	Stirling /Leia A.	09/01/15	06/30/19	(65)	758,234	0
		6940649	C	P061090	80NSSC19K0703	Stirling /Leia A.	04/01/19	12/31/19	61,301	61,301	0
	005246 Baylor College of Medicine	6936116	C	P061094	7000000324 / TRISH PROJ	Hoffman /Jeffrey A	10/01/16	09/30/20	0	0	0
		6942902	C	P402000	PO#7000001107/NNX16A0	Langer /Robert S	04/01/20	03/31/21	137,881	200,000	62,119
	007641 University of Mi	6943100	C	P061097	SUBK00012276	Liu /Andrew Menching	10/01/19	12/31/22	33,086	20,732	(12,353)
	Total by Primary Sponsor								232,203	1,040,268	49,765
000413 NASA Shared Services Center	000413 NASA Shared S	6943257	C	P159600	80NSSC20K0401	Bautz /Marshall W	01/01/20	12/31/22	0	332,500	332,500
	003527 Lowell Observa	6932482	C	P153000	2015-81520	Person /Michael J	05/01/15	08/31/20	27,120	419,552	9,649
	005165 Applied Physics Lab of Johns Hopkins	6931748	C	P401710	126755	Zhang /Shun-Rong	04/29/15	12/31/19	16,012	479,912	0
		6936841	C	P159600	SUBAWARD 141711	Richardson /John D	05/20/17	08/31/20	33,206	88,486	(9,726)
	005173 Arizona State U	6937931	C	P060600	18-391	Palacios /Tomas	09/28/17	09/27/20	139,882	375,000	93,917
	006151 Johns Hopkins	6941428	C	P153000	157497	Soderblom /Jason	07/15/19	03/18/22	34,684	44,231	9,547
	007180 Purdue Univers	6935856	C	P153000	12000179-009	Soderblom /Jason	08/16/16	08/15/20	124,475	216,444	(22)
	007630 University of Pe	6932568	C	P153000	566962/10048151/14976/0	Durham /William B	07/25/15	07/24/19	0	30,557	(31)
	007634 University of Ne	6938280	C	P401710	18-028	Erickson /Philip J	09/26/17	09/25/21	80,929	152,000	27,651
	007637 University of Texas - Austin	6934349	C	P153000	UTA16-000512	Wunsch /Carl Isaac	04/01/16	03/31/21	50,638	303,264	40,983
		6935828	C	P159600	UTA17-000296	Vogelsberger /Mark	02/14/17	02/13/20	0	202,838	218
	007676 University of Ca	6935635	C	P061093	00009378	Nguyen /Ngoc Cuong	11/01/16	10/31/19	54,517	449,305	(1)
	007827 Woods Hole Oc	6942473	C	P153000	A101469	Marshall /John C	08/02/19	08/01/20	8,638	155,195	146,557
	Total by Primary Sponsor								570,100	3,249,284	651,244
000420 NASA - Goddard Space Flight Center	000420 NASA - Goddar Space Flight Center	6926694	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	344,357	0
		6927813	C	P153000	NNX13AJ86G	Zuber /Maria	04/25/13	09/30/19	7,378	676,892	0
		6927906	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	01/31/21	0	4,872,944	4,872,944
		6928070	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	258,649	(0)

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		6928071	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	122,008	(0)
		6928072	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	160,691	0
		6928950	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	736,288	7,085,236	(55,415)
		6928951	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	782,758	2,059,510	(69,144)
		6928952	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	803,207	2,017,055	0
		6928954	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	479,691	1,270,321	309,149
		6928955	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	36,361	300,000	114,906
		6928957	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	7,658	25,955	(0)
		6928958	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	1,048,340	1,630,028	0
		6928959	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	107,726	140,062	0
		6928960	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	2,764,621	0
		6928961	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	1,871,074	(0)
		6928962	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/17	0	837,825	0
		6928963	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	4,054,137	(0)
		6928965	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	17,768	6,318,896	0
		6928966	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	06/30/17	0	2,275,280	0
		6928967	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	83	5,463,296	(0)
		6928969	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	7,042,139	(0)
		6928970	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	22,857	(0)
		6928971	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	1,413,320	0
		6928972	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	114,896	(0)
		6928973	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	46	3,614,178	60
		6928974	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	1,702,032	3,824,553	(153,917)
		6928975	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	7,460	4,148,632	(0)
		6928977	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	912,375	3,469,751	(40,439)
		6928978	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	129,818	867,512	(16,770)
		6928979	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	(21)	1,058,233	(0)
		6928981	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	2,194,552	(0)
		6928982	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	1,217,803	0
		6928983	C	P159600	NNG14FC03C	Ricker /George R	07/10/17	12/31/20	264,628	1,022,337	266,703
		6928984	C	P159600	NNG14FC03C	Ricker /George R	05/01/17	12/31/20	0	432,470	(0)
		6931280	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	06/21/20	0	4,292,044	154,710
		6931373	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/18	0	254,142	(0)
		6931397	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	06/21/20	99,976	125,000	(451)
		6931598	C	P159600	NNG14FC03C	Ricker /George R	02/01/15	09/14/20	0	151,164	0
		6931729	C	P153000	NNX15AH72G	Weiss /Benjamin P	03/31/15	03/30/20	129,203	564,405	21,971
		6931899	C	P159600	NNX15AF85G	Zuber /Maria	02/01/15	04/30/21	38,226	2,869,176	83,368
		6931911	C	P159600	NNX15AF85G	Zuber /Maria	05/01/15	04/30/18	0	28,176	0
		6932021	C	P153000	NNX15AK10G	Smith /David E.	06/10/15	09/30/20	239,719	780,428	13,247
		6932151	C	P153000	NNX15AM35G	Pan /Margaret	01/01/16	06/30/19	(35)	202,327	0
		6932218	C	P153000	NNX15AL48G	Soderblom /Jason	05/20/15	05/19/21	38,653	434,593	12,858
		6932313	C	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/20	157,634	514,421	21,529

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		6932332	C	P159600	NNX15AL14G	Marshall /Herman	02/20/15	05/20/20	88,396	756,022	(1,184)
		6932424	C	P159600	NNX15AL14G	Marshall /Herman	02/20/15	05/20/18	0	163,978	0
		6933422	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	06/21/20	75,800	791,266	0
		6933470	C	P159400	NNX16AC98G	Prinn /Ronald G	02/01/16	01/31/21	990,464	6,025,983	1,906,221
		6933471	C	P153000	NNX16AD29G	Grove /Timothy L	01/07/16	01/06/20	34,992	415,000	(0)
		6933633	C	P159600	NNX16AD01G	Schattenburg /Mark L	01/01/16	12/31/19	141,448	1,138,664	0
		6933656	C	P267500	NNX16AE93G	Hu /Qing	03/01/16	02/29/20	1,960	600,000	47
		6933941	C	P243020	NNX16AG82G	Hutchinson /Ian Horner	03/17/16	03/16/20	37,670	498,382	(0)
		6933942	C	P159600	NNX15AW94G	Bautz /Marshall W	10/01/15	09/30/20	81,751	199,875	151
		6934821	C	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/20	5,590	75,000	19,790
		6934904	C	P153000	NNX15AH72G	Weiss /Benjamin P	09/01/16	03/30/20	7,879	167,438	0
		6934908	C	P159400	NNX16AN15G	Gao /Xiang	07/13/16	01/12/20	12,671	450,000	0
		6934950	C	P159400	NNX16AR47G	Dutkiewicz /Stephanie	08/25/16	08/24/20	141,278	743,668	78,006
		6934991	C	P159600	NNX16AD01G	Schattenburg /Mark L	09/15/16	12/31/19	0	38,832	0
		6935017	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/30/16	0	1,275,344	0
		6935310	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	08/31/20	407,715	1,118,210	53,393
		6935457	C	P159600	NNX15AF85G	Zuber /Maria	01/01/17	04/30/18	0	29,711	(5,675)
		6935490	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/17	0	1,691,243	0
		6935504	C	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	02/14/20	149,242	1,835,958	0
		6935516	C	P159600	NNX17AC11G	Remillard /Ronald A	01/18/17	01/17/20	14,115	24,898	(0)
		6935566	C	P061097	NNX17AD07G	Cahoy /Kerri	01/16/17	07/31/19	18,185	498,825	(0)
		6935647	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	08/31/20	0	78,500	61,282
		6935648	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	08/31/20	10,615	119,512	38,194
		6935649	C	P061094	NNH17CH01C	Hoffman /Jeffrey A	11/01/15	08/31/20	204,177	710,871	20,600
		6935650	C	P068000	NNH17CH01C	Yildiz /Bilge	11/01/15	09/30/19	0	81,947	(0)
		6935718	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	08/31/20	75,406	267,450	29,171
		6935754	C	P159600	NNX17AE47G	Schattenburg /Mark L	02/01/17	01/31/21	1,006,049	2,448,146	64,716
		6935933	C	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/18	0	34,227	0
		6936162	C	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/19	43	8,524	0
		6936163	C	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/18	(1,141)	157,606	0
		6936164	C	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/19	0	7,440	0
		6936305	C	P401710	NNX17AG98G	Elosegui /Pedro	03/01/17	02/29/20	80,598	264,000	27
		6936387	C	P401710	NNX17AG98G	Elosegui /Pedro	03/01/17	02/29/20	1,367	120,436	(20)
		6936571	C	P159600	NNX17AL45G	Shoemaker /David H	05/31/17	05/30/20	27,485	126,089	35,101
		6936894	C	P159600	80NSSC17K0048	Pasham /Dheeraj Ranga Reddy	06/28/17	06/27/20	29,778	31,571	9
		6936958	C	P401710	80NSSC17K0125	Pankratius /Victor	08/01/17	07/31/19	6,927	297,260	0
		6937025	C	P153000	80NSSC17K0125	Herring /Thomas A	08/01/17	07/31/19	44,624	292,154	(0)
		6937152	C	P063007	80NSSC17K0283	Entekhabi /Dara	09/01/17	03/01/20	546,015	1,323,284	(0)
		6937267	C	P159600	80NSSC17K0612	Remillard /Ronald A	10/01/17	09/30/19	34,575	48,238	(0)
		6937283	C	P153000	80NSSC17M0075	Marshall /John C	09/08/17	09/07/20	286,736	1,118,425	332,498
		6937342	C	P159400	80NSSC17K0561	Dutkiewicz /Stephanie	11/01/17	10/31/20	415,042	1,160,622	157,983
		6937348	C	P153000	80NSSC17K0773	Grove /Timothy L	09/28/17	09/27/20	87,508	405,130	134,279
		6937545	C	P061090	80NSSC17K0587	Siddiqi /Afreem	09/01/17	09/30/19	26,384	226,523	0
		6937853	C	P401710	NNH17CH01C	Hecht /Michael	11/01/17	08/31/20	2,051	7,565	(6,211)
		6937855	C	P159600	80NSSC18K0138	Bautz /Marshall W	01/02/18	01/01/21	363,833	835,565	62,876

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		6937888	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/17	12/21/19	0	1,969,611	0
		6937974	C	P159600	80NSSC18K0308	Crossfield /Ian Jm	12/15/17	12/14/19	15,758	98,394	0
		6938100	C	P153000	80NSSC18K0457	Herring /Thomas A	01/24/18	01/23/22	180,724	550,000	241,623
		6938214	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/18	0	40,042	(0)
		6938351	C	P153000	80NSSC18K0553	Smith /David E.	03/01/18	03/31/21	3,572	162,411	140,303
		6938432	C	P153000	80NSSC18K0682	Smith /David E.	04/01/18	03/31/21	0	100,000	100,000
		6938488	C	P159600	80NSSC18K0623	Bautz /Marshall W	03/12/18	03/11/20	15,670	32,742	0
		6938659	C	P159600	NNX17AE47G	Schattenburg /Mark L	03/15/18	01/31/20	1,094	35,299	0
		6938839	C	P159600	80NSSC18K0819	Crossfield /Ian Jm	04/16/18	04/15/21	36,389	99,999	63,610
		6938929	C	P153000	80NSSC18K0849	DeMeo /Francesca E	07/01/18	06/30/21	195,943	438,144	87,186
		6939050	C	P159600	80NSSC18K1091	Hughes /Scott A	04/02/18	06/30/21	125,651	273,044	75,070
		6939248	C	P153000	80NSSC18K1057	Perron /Jay Taylor	06/11/18	06/10/21	131,584	460,704	294,119
		6939260	C	P153000	80NSSC18K1088	Pontefract /Alexandra Janine	07/01/18	10/31/19	113,214	220,149	0
		6939272	C	P153000	80NSSC18K1004	DeMeo /Francesca E	06/05/18	06/04/21	33,279	207,904	133,666
		6939461	C	P159600	80NSSC18K1614	Remillard /Ronald A	10/01/18	09/30/20	0	64,775	64,775
		6939501	C	P159600	80NSSC18K1616	Principe /David A	10/01/18	09/30/20	64,211	65,558	(139)
		6939507	C	P159900	80NSSC18K1615	Perez /Kerstin M.	09/01/18	08/31/20	40,024	72,000	5,766
		6939650	C	P159600	80NSSC18K1608	Canizares /Claude R	10/01/18	09/30/20	31,112	58,302	21,028
		6939651	C	P159600	80NSSC18K1643	Richardson /John D	08/27/18	03/31/21	21,203	61,402	24,580
		6939653	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	122,045	631,772	509,726
		6939854	C	P061097	80NSSC18K1677	Cahoy /Kerri	12/01/18	02/28/23	48,317	103,027	24,791
		6939855	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	13,986	40,595	26,609
		6939856	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	18,202	66,654	48,088
		6939857	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	54,740	1,490,560	1,423,886
		6940013	C	P401710	80NSSC19K0078	Coster /Anthea J	10/26/18	10/25/22	193,527	696,030	430,336
		6940056	C	P159600	80NSSC19K0157	Chakrabarty /Deepti	10/30/18	10/29/20	40,006	38,895	(1,111)
		6940064	C	P061090	80NSSC19K0211	Lozano /Paulo C	01/14/19	01/13/22	172,720	319,075	71,475
		6940122	C	P039000	80NSSC19K0205	Wood /Danielle Renee	11/21/18	11/20/21	140,120	360,119	185,893
		6940193	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	06/21/20	1,586,665	2,581,411	(35,036)
		6940205	C	P401710	NNH17CH01C	Hecht /Michael	10/01/18	08/31/20	20,536	50,129	29,593
		6940302	C	P401710	80NSSC19K0262	Goncharenko /Larisa	03/01/19	02/28/22	67,238	123,001	37,428
		6940313	C	P061097	80NSSC19K0217	Cahoy /Kerri	01/14/19	01/13/22	135,734	299,564	85,937
		6940345	C	P401710	80NSSC19K0262	Goncharenko /Larisa	03/01/19	02/28/22	59,414	225,373	162,191
		6940378	C	P153000	80NSSC19K0465	Summons /Roger E	02/13/19	02/12/21	131,671	471,479	295,613
		6940409	C	P153000	80NSSC19K0464	Bergmann /Kristin	02/13/19	02/12/21	160,508	294,814	134,306
		6940416	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	12,596	58,097	0
		6940417	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	36,435	100,197	0
		6940418	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	97,847	126,869	0
		6940419	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	0	0	0
		6940420	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	0	0	0
		6940536	C	P153000	80NSSC19K0471	Seager /Sara	02/13/19	02/12/22	190,936	172,208	(30,353)
		6940537	C	P159600	80NSSC19K0469	Carr /Christopher E	02/13/19	02/12/22	81,365	150,511	46,707
		6940573	C	P061097	80NSSC19K0217	Cahoy /Kerri	02/01/19	01/13/22	2,575	30,000	23,026
		6940669	C	P159600	NNX17AE47G	Schattenburg /Mark L	04/05/19	10/05/19	872	10,480	0
		6940728	C	P159600	80NSSC19K0633	Crossfield /Ian Jm	02/27/19	02/26/21	0	12,990	12,990

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		6940729	C	P159600	80NSSC19K0634	Remillard /Ronald A	01/01/19	11/26/19	241,452	385,144	(0)
		6940783	C	P401710	NNH17CH01C	Hecht /Michael	05/01/19	08/31/20	48,016	48,016	0
		6941063	C	P061094	80NSSC19K0943	Barrett /Steven R. H.	04/29/19	04/28/22	173,296	184,575	11,279
		6941067	C	P159600	80NSSC19K0335	Schattenburg /Mark L	04/08/19	04/07/21	967,960	2,100,000	1,072,435
		6941154	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	240,048	1,151,043	910,995
		6941181	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	9,942	9,942	(0)
		6941182	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	44,642	44,642	(0)
		6941183	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	119,549	119,549	0
		6941184	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	0	0	0
		6941185	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	0	0	0
		6941186	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	63,718	63,718	0
		6941187	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	74,557	332,278	257,721
		6941188	C	P061097	80NSSC19K0617	Cahoy /Kerri	03/01/19	02/28/22	56,571	104,938	48,367
		6941320	C	P401710	80NSSC19K0834	Goncharenko /Larisa	04/15/19	04/14/22	62,298	74,798	12,500
		6941364	C	P401710	80NSSC19K0834	Goncharenko /Larisa	04/15/19	04/14/22	17,766	87,499	69,733
		6941365	C	P401710	80NSSC19K0834	Goncharenko /Larisa	04/15/19	04/14/22	5,804	87,402	81,598
		6941577	C	P153000	80NSSC19K1277	Smith /David E.	06/14/19	06/13/22	0	138,441	138,441
		6941580	C	P159600	80NSSC19K1028	Carr /Christopher E	04/01/19	06/30/22	137,188	284,502	147,314
		6941585	C	P159600	80NSSC19K1448	Chakrabarty /Deepto	07/30/19	07/29/20	5,620	41,997	36,377
		6941586	C	P159600	80NSSC19K1387	Pasham /Dheeraj Ranga Reddy	08/01/19	07/31/20	38,860	38,882	22
		6941601	C	P159600	80NSSC19K1287	Remillard /Ronald A	11/27/19	11/26/22	221,494	786,422	564,928
		6941616	C	P159600	80NSSC19P1387	Prigozhin /Gregory	07/01/19	09/30/19	47,793	47,793	(0)
		6941624	C	P159900	80NSSC19K1515	Slatyer /Tracy Robyn	08/02/19	10/31/20	57,370	70,000	12,630
		6941802	C	P159900	80NSSC20K0031	Perez /Kerstin M.	10/01/19	09/30/20	20,300	67,000	46,700
		6942146	C	P159600	80NSSC20K0037	Canizares /Claude R	10/01/19	09/30/20	1,453	62,085	60,632
		6942209	C	P153000	80NSSC20K0234	Bosak /Tanja	11/05/19	11/04/23	27,128	77,144	50,016
		6942351	C	P153000	80NSSC20K0238	Weiss /Benjamin P	11/05/19	11/04/23	124	75,190	75,066
		6942451	C	P401710	80NSSC18K1677	Erickson /Philip J	01/01/20	11/30/22	23,807	43,875	20,068
		6942456	C	P401710	80NSSC19K0617	Lind /Frank David	01/01/20	02/28/22	23,807	43,875	20,068
		6942460	C	P159600	80NSSC20K0372	Kara /Erin A	08/26/19	11/25/20	13,551	47,000	33,449
		6942568	C	P061090	80NSSC20K0400	Masterson /Rebecca A	01/01/20	12/31/21	23,621	115,632	92,011
		6942731	C	P153000	80NSSC20K0382	Soderblom /Jason	02/01/20	01/31/23	12,864	257,610	244,746
		6942839	C	P159600	80NSSC20K0470	Kara /Erin A	12/17/19	12/16/20	11,608	100,000	88,392
		6942955	C	P153000	80NSSC20K0484	Perron /Jay Taylor	02/01/20	01/31/23	10,727	129,492	118,765
		6943006	C	P159600	80NSSC20K0499	Vogelsberger /Mark	01/07/20	01/06/23	0	99,167	99,167
		6943007	C	P159600	80NSSC20K0802	Kara /Erin A	03/06/20	03/05/21	0	82,909	82,909
		6943009	C	P159600	80NSSC20K1012	Heine /Sarah Nicole Trowbridge	03/20/20	03/19/22	6,153	50,000	43,847
		6943011	C	P159600	80NSSC20K0851	Pasham /Dheeraj Ranga Reddy	03/25/20	03/24/21	(0)	30,996	30,996
		6943068	C	P159600	80NSSC20K0575	Kara /Erin A	07/02/19	01/26/21	13,235	87,924	74,689
		6943197	C	P061097	80NSSC18K1677	Masterson /Rebecca A	01/01/20	02/28/23	27,880	116,663	88,783
		6943203	C	P061097	80NSSC19K0617	Masterson /Rebecca A	01/01/20	02/28/23	27,088	113,615	86,526
		6943291	C	P401710	80NSSC18K1677	Erickson /Philip J	05/01/20	12/31/20	205	20,836	20,631
		6943312	C	P401710	80NSSC19K0617	Lind /Frank David	05/01/20	12/31/20	205	20,836	20,631
		6943340	C	P159600	80NSSC20K0737	Miller /Eric D	02/14/20	02/13/23	16,407	72,295	55,888
		6943396	C	P159600	80NSSC20K0907	Schattenburg /Mark L	04/02/20	04/02/23	0	400,000	400,000

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		6943494	C	P159600	80NSSC20K1085	Kara /Erin A	06/19/20	06/18/21	0	69,442	69,442
	005410 CalTech - Jet P	6941779	C	P159600	1633383	Canizares /Claude R	06/27/19	09/27/20	0	10,000	10,000
	005937 Georgetown Un	6942845	C	P153000	80NSSC18K1088	Carr /Christopher E	11/01/19	06/30/20	32,960	33,093	133
	006622 Washington Un	6942400	C	P159600	WU-20-302	Chakrabarty /Deepto	10/01/19	09/30/20	0	20,290	20,290
	007360 Smithsonian Ins	6943184	C	P159600	SV0-09008	Schattenburg /Mark L	02/25/20	09/24/21	0	230,035	230,035
	007362 Space Telescope Science Institute	6933896	C	P159600	HST-GO-14352.009-A	McDonald /Michael A.	04/01/16	03/31/19	(0)	21,876	(0)
		6935185	C	P159600	HST-GO-14698.002-A	Guenther /Hans M	12/01/16	11/30/20	18,330	30,848	6,784
		6935437	C	P159600	HST-GO-14677.006-A	McDonald /Michael A.	12/01/16	11/30/19	(570)	23,366	(0)
		6935583	C	P159600	HST-GO-14766.004-A	Frebel /Anna L.	12/01/16	11/30/19	0	1,222	1,222
		6936157	C	P159600	HST-GO-14896.002-A	McDonald /Michael A.	04/01/17	06/30/19	(41)	26,238	0
		6937649	C	P153000	HST-GO-15304.001-A	de Wit /Julien	11/01/17	10/31/20	47,332	148,181	38,054
		6937777	C	P159600	HST-GO-15129.010-A	Burke /Christopher J	12/01/17	11/30/20	0	39,038	6,188
		6937960	C	P159600	HST-GO-14690.001	Guenther /Hans M	06/01/17	05/31/21	5,110	23,540	17,717
		6937987	C	P159600	HST-GO-14797.015-A	Crossfield /Ian Jm	01/01/18	12/31/20	69,251	115,228	(28,863)
		6938046	C	P159600	HST-GO-15333.016-A	Crossfield /Ian Jm	01/01/18	12/31/20	81,362	181,455	34,661
		6938438	C	P061097	HST-GO-15217.001-A	Cahoy /Kerri	12/01/17	11/30/21	0	22,162	1,235
		6938678	C	P159600	HST-GO-15307.008-A	McDonald /Michael A.	12/01/17	11/30/20	41,718	144,994	25,928
		6938815	C	P159600	HST-GO-15085.001-A	Simcoe /Robert A	06/01/18	05/31/21	115,759	149,646	32,129
		6938918	C	P159600	HST-GO-15163.011-A	Simcoe /Robert A	04/01/18	03/31/21	31,877	98,890	48,272
		6938951	C	P159600	HST-GO-15418.002-A	McDonald /Michael A.	04/01/18	09/30/19	12,523	30,754	0
		6938955	C	P159600	HST-GO-15378.006-A	McDonald /Michael A.	03/01/18	02/28/21	0	29,600	79
		6939475	C	P159600	HST-GO-15315.001-A	McDonald /Michael A.	05/01/18	04/30/21	34,341	69,902	6,073
		6939680	C	P159600	HST-GO-15377.006-A	McDonald /Michael A.	10/01/18	09/30/19	17,464	29,638	0
		6940222	C	P159600	HST-GO-15204.001-A	Guenther /Hans M	01/01/19	02/28/22	0	14,124	10,186
		6940574	C	P401710	HST-GO-15641.014-A	Matthews /Lynn D.	03/01/19	11/30/22	21,800	31,598	9,798
		6941622	C	P159600	HST-GO-15661.001-A	McDonald /Michael A.	05/01/19	04/30/22	55,656	64,350	8,694
		6942525	C	P159600	HST-GO-15657.003-A	Frebel /Anna L.	10/01/19	09/30/22	0	49,948	49,948
		6942589	C	P159600	HST-GO-15814.001-A	Crossfield /Ian Jm	02/01/20	01/31/23	4,540	16,504	11,964
		6942853	C	P159600	HST-GO-16001.002-A	McDonald /Michael A.	03/01/20	02/28/23	0	22,265	22,265
		6943297	C	P159600	HST-GO-16038.001-A	McDonald /Michael A.	03/01/20	02/28/23	5,620	28,226	22,606
	007372 Southwest Res	6939450	C	P153000	L99059JRG	Soderblom /Jason	07/01/18	04/20/21	102,634	249,932	127,307
	007380 Stanford University	6934882	C	P061097	61238711-122362	Cahoy /Kerri	05/20/16	04/28/21	45,243	263,936	73,433
		6942497	C	P159600	62205664-136106	Bautz /Marshall W	03/01/19	02/27/21	0	105,173	105,173
	007634 University of Ne	6942920	C	P401710	SUBCONTRACT NO. L006	Coster /Anthea J	01/28/20	03/27/21	2,248	10,000	7,752
	102502 Cross Trac Eng	6940038	C	P061097	AGMT DTD 10/19/18	Cahoy /Kerri	10/19/18	09/20/20	128,657	299,963	85,563
	105693 Applied NanoF	6942260	C	P417500	AGREEMENT DTD 9/1/19	Agarwal /Anuradha	09/01/19	08/31/20	3,836	60,000	56,164
	105722 Rochester Prec	6942064	C	P417500	AGREEMENT DTD 8/19/19	Hu /Juejun	08/19/19	09/18/20	35,132	60,000	24,868
	Total by Primary Sponsor								21,408,571	138,522,835	19,603,665
000430 NASA - Ames Research Center	000430 NASA - Ames Research Center	6927163	C	P153000	NNA13AA90A	Summons /Roger E	02/07/13	06/30/20	62,539	4,706,778	4,826
		6927200	C	P153000	NNA13AA90A	Rothman /Daniel H	02/07/13	02/06/14	0	8,267	0
		6927201	C	P153000	NNA13AA90A	Bosak /Tanja	02/07/13	02/06/14	0	18,499	0
		6929493	C	P153000	NNA13AA90A	Summons /Roger E	02/07/13	06/30/20	7,455	1,424,319	(3,907)
		6929495	C	P153000	NNA13AA90A	Bosak /Tanja	02/07/13	12/31/18	0	384,532	(0)
		6929496	C	P153000	NNA13AA90A	Rothman /Daniel H	02/07/13	12/31/19	0	362,055	(0)

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		6932659	C	P061094	NNX15AW03A	Hoffman /Jeffrey A	08/21/15	08/20/19	52,996	339,853	0
		6933510	C	P153000	NNA13AA90A	Bergmann /Kristin	01/01/16	12/31/17	0	29,997	(0)
		6933511	C	P153000	NNA13AA90A	Fournier /Gregory P.	01/01/16	12/31/17	0	80,001	0
		6933707	C	P153000	NNA13AA90A	Fournier /Gregory P.	01/01/16	12/31/17	0	43,313	0
		6937167	C	P061097	80NSSC17K0346	Cahoy /Kerri	08/01/17	06/30/20	60,777	390,118	(12,020)
		6938162	C	P061090	80NSSC18M0045	Lozano /Paulo C	01/16/18	01/15/21	159,988	400,000	17,107
		6938247	C	P061097	80NSSC17K0346	Cahoy /Kerri	08/01/17	06/30/20	18,253	59,882	12,261
		6938442	C	P061097	80NSSC18M0042	Cahoy /Kerri	05/01/18	04/30/21	153,295	400,000	57,053
		6939661	C	P061097	80NSSC18K1579	Cahoy /Kerri	08/17/18	01/15/21	344,022	592,241	126,082
		6940224	C	P153000	80NSSC19K0342	Cziczko /Daniel James	01/01/19	09/30/22	(55,963)	70,441	337
		6940650	C	P039020	80NSSC19M0039	Gershenfeld /Neil A	01/01/19	04/30/20	67,163	78,334	(337)
		6940684	C	P153000	80NSSC19K0342	Cziczko /Daniel James	04/01/19	04/30/20	251,259	270,510	0
		6941940	C	P061097	80NSSC19M0224	Cahoy /Kerri	08/28/19	08/27/20	3,359	80,000	76,641
		6941973	C	P061093	80NSSC19K1607	Balakrishnan /Hamsa	09/01/19	08/31/20	60,317	103,430	43,113
		6942996	C	P061090	80NSSC20M0071	Newman /Dava J	02/01/20	01/31/23	56,773	234,149	177,376
	004657 University Spac	6942336	C	P061093	08600-016	Hansman /Robert J	10/01/19	05/31/20	1,901	36,723	34,822
	005333 Brown Universit	6930189	C	P153000	00000677	Zuber /Maria	03/07/14	02/14/20	33,448	1,218,000	(0)
	007360 Smithsonian Ins	6937024	C	P159600	SV8-88004	Bautz /Marshall W	08/21/17	06/30/19	(2,910)	151,179	0
	007509 Universities Sp	6941371	C	P401710	SOF 07-0201	Kauffmann /Jens	09/01/19	08/31/21	6,342	6,342	0
	007545 University of Illi	6941777	C	P061094	097265-17589	Greitzer /Edward M	07/01/19	06/30/21	105,955	547,232	441,277
	007618 University of Cc	6932162	C	P153000	1552615/ PO #1000510992	Ono /Shuhei	04/29/15	12/31/20	39,346	336,227	7,659
Total by Primary Sponsor									1,426,315	12,372,421	982,291
000431 NASA - Langley Research Center	000431 NASA - Langley Research Center	6932633	C	P061093	NNX15AU41A	Allmaras /Steven R.	10/01/15	01/31/20	117,736	999,028	(0)
		6932691	C	P067952	NNX15AQ50A	Roy /Nicholas	09/01/15	08/31/20	105,918	495,000	(62,837)
		6932709	C	P061090	NNX15AU66A	Wang /Qiqi	09/01/15	08/31/20	106,639	696,444	96,205
		6932719	C	P061090	NNX15AQ50A	How /Jonathan P	09/01/15	08/31/20	48,470	300,000	36,419
		6942886	C	P061093	80NSSC20M0080	Leveson /Nancy G	09/01/20	08/31/23	0	241,087	241,087
	007005 National Institut	6941317	C	P061093	T13-6500-MIT/TASK ORDE	Hansman /Robert J	07/19/19	12/31/20	56,027	209,678	153,651
	104937 STONE AEROS	6942011	C	P061097	AGMT. DTD. 06/01/2019	Cahoy /Kerri	06/01/19	05/31/21	79,118	180,000	100,882
Total by Primary Sponsor									513,909	3,121,237	565,406
000432 NASA - Glenn Research Center	000432 NASA - Glenn Research Center	6930819	C	P061094	NNX14AT22A	Barrett /Steven R. H.	09/12/14	05/31/20	105,932	1,524,378	1,538
		6937543	C	P062000	80NSSC18K0162	Swan /James W	12/01/17	11/30/20	62,229	199,650	(8,206)
	Total by Primary Sponsor								168,161	1,724,028	(6,668)
000500 NSF	000500 NSF	6925633	C	P067952	CNS-1138967	Rus /Daniela L	04/01/12	03/31/19	35	5,027,651	(0)
		6926661	C	P067952	IIS-1226883	Rus /Daniela L	10/01/12	09/30/19	75,153	1,013,176	(0)
		6926845	C	P065004	CNS-1138967	Kim /Sangbae	04/01/12	03/31/19	(12,081)	500,000	(0)
		6927085	C	P068700	CCF-1253205	Polyanskiy /Yury	02/01/13	07/31/19	(2,445)	595,175	(0)
		6927119	C	P065004	CBET-1253228	Kamrin /Kenneth N	06/01/13	05/31/19	(2,812)	420,000	0
		6927211	C	P062000	DMR-1253306	Olsen /Bradley D.	06/01/13	05/31/19	(199)	500,000	(0)
		6927393	C	P067952	IIS-1226883	Rus /Daniela L	10/01/12	09/30/19	0	85,747	0
		6927611	C	P159600	AST-1255160	Frebel /Anna L.	07/01/13	06/30/19	36	816,290	0

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		6928077	C	P067952	CCF-1314547	Leiserson /Charles E	06/01/13	06/30/18	(7)	998,172	0
		6928084	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	(960)	3,730,275	(0)
		6928085	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	16,941	3,366,323	(16,941)
		6928086	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	(3,557)	3,373,626	443
		6928087	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	2,333,829	374
		6928089	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	(4,475)	1,305,311	0
		6928090	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	211,916	0
		6928091	C	P400600	CCF-1231216	Poggio /Tomaso A	07/15/13	08/31/19	0	2,700,497	(0)
		6928399	C	P153000	OCE-1338814	Marshall /John C	09/01/13	01/31/20	269,675	4,794,604	0
		6928595	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	0	917,685	917,685
		6928744	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	3,188,390	(0)
		6928745	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	31,293	(0)
		6929184	C	P154000	DMS-1350472	Trigo Neri Tabuada /Goncalo Jo	06/01/14	06/30/19	4,970	373,818	(0)
		6929235	C	P121012	CMMI-1351619	Vielma Centeno /Juan Pablo	02/01/14	12/31/19	3,004	399,533	0
		6929378	C	P063007	CMMI-1351512	Osorio Pizano /Carolina	09/01/14	08/31/19	7,571	401,000	(0)
		6929379	C	P065004	IIS-1350879	Kim /Sangbae	06/01/14	05/31/19	(593)	399,452	0
		6929620	C	P061097	CNS-1350685	Karaman /Sertac	03/01/14	02/29/20	121,171	435,570	(61,668)
		6929738	C	P067952	CNS-1350619	Vaikuntanathan /Vinod	04/15/14	03/31/19	(400)	536,808	(0)
		6930042	C	P154000	DMS-1406348	Mrowka /Tomasz S	06/01/14	06/30/19	(10)	476,324	0
		6930066	C	P152000	CHE-1351646	Johnson /Jeremiah A.	06/01/14	05/31/19	684	567,796	0
		6930250	C	P401710	AGS-1343056	Goncharenko /Larisa	07/01/14	06/30/19	(112)	258,395	(0)
		6930321	C	P159900	PHY-1433156	Williams /Michael	08/01/14	07/31/20	2,267	27,109	32
		6930361	C	P061096	IIS-1350160	Shah /Julie A	08/01/14	07/31/20	119,992	398,575	121,798
		6930420	C	P067952	CNS-1413920	Devadas /Srinivas	08/15/14	09/30/20	147,106	690,447	125,235
		6930464	C	P271000	DRL-1418122	Altman /Micah	08/15/14	08/31/19	28,332	302,010	(0)
		6930474	C	P067952	IIS-1404494	Davis /Randall	09/01/14	08/31/19	104,332	475,004	9,436
		6930498	C	P067952	IIS-1427050	Tedrake /Russell L	08/15/14	07/31/19	(7,341)	413,833	0
		6930566	C	P062000	ECCS-1449291	Jensen /Klavs F	09/01/14	02/28/19	(2,748)	434,815	0
		6930568	C	P401710	ACI-1442997	Pankratijs /Victor	10/01/14	10/31/19	26,993	1,404,837	(0)
		6930595	C	P067952	IIS-1427547	Roy /Nicholas	08/15/14	07/31/19	157,967	525,000	13,527
		6930607	C	P154000	CNS-1413920	Etingof /Pavel I	10/01/14	09/30/20	82,010	155,512	(1,048)
		6930608	C	P067952	CNS-1413920	Goldwasser /Shafira	08/15/14	09/30/19	38,538	649,791	(9,073)
		6930609	C	P067952	CNS-1413920	Vaikuntanathan /Vinod	08/15/14	09/30/20	45,333	649,791	(38,803)
		6930610	C	P067952	CNS-1413920	Kaashoek /M. Frans	08/15/14	09/30/20	(234,752)	1,154,459	2,025
		6930632	C	P067952	CNS-1407470	Balakrishnan /Hari	09/01/14	08/31/20	78,475	800,000	84,326
		6930652	C	P067952	IIS-1447786	Shavit /Nir N.	08/01/14	08/31/19	7,195	763,626	0
		6930670	C	P067952	CNS-1413973	Sollins /Karen R	09/01/14	09/30/19	99,748	1,300,000	329
		6930672	C	P159900	PHY-1433156	Williams /Michael	08/01/14	07/31/20	14	85,341	(14)
		6930762	C	P067952	IIS-1447476	Indyk /Piotr	06/15/15	08/31/19	10,096	249,202	0
		6931164	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	570,291	570,291
		6931220	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	169,843	936,000	46,395
		6931221	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	286,002	1,800,000	800,630
		6931222	C	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/20	69,359	1,177,747	315,444
		6931223	C	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/20	10,167	609,668	176,681
		6931224	C	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/20	7,862	79,981	32,370

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		6931225	C	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/20	26,665	381,783	94,795
		6931226	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	85,293	524,693	24,278
		6931227	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	82,506	484,494	49,530
		6931228	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	46,848	485,586	45,773
		6931229	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	49,586	486,989	59,693
		6931230	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	17,722	446,168	81,358
		6931231	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	107,070	572,068	99,622
		6931235	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	169,875	766,000	4,309
		6931236	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	8,239	313,098	42,946
		6931237	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	59,557	335,000	522
		6931238	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	8,164	260,000	44,944
		6931239	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	78,344	445,000	5,271
		6931240	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	70,416	310,000	18,981
		6931241	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/16	0	39,790	0
		6931242	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	1,438	204,743	2,096
		6931243	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	60,627	215,200	128
		6931246	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	121,990	584,665	79,400
		6931247	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	18,874	499,665	59,446
		6931248	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	66,488	499,665	25,077
		6931249	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	68,284	473,665	30,357
		6931250	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	95,134	499,665	19,331
		6931251	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	64,816	442,665	48,262
		6931255	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	02/28/18	0	160,064	0
		6931256	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	159,971	(0)
		6931257	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	159,997	0
		6931258	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	160,673	(0)
		6931259	C	P062000	CBET-1454299	Roman /Yuriy	01/01/15	12/31/20	157,184	572,471	13,078
		6931412	C	P066000	ECCS-1453218	Hu /Juejun	02/15/15	01/31/20	(49,641)	500,000	0
		6931413	C	P067952	CCF-1452994	Sanchez Martin /Daniel	02/15/15	01/31/20	86,267	499,867	0
		6931425	C	P121012	CMMI-1452875	Zheng /Yanchong	09/01/15	08/31/20	120,261	500,000	24,080
		6931436	C	P067952	CCF-1453261	Moitra /Ankur	04/01/15	06/30/21	180,249	500,000	(22,715)
		6931457	C	P152000	CHE-1454060	Surendranath /Yogesh	03/01/15	02/29/20	2,525	675,000	0
		6931469	C	P152000	DMR-1452612	Dinca /Mircea	03/01/15	05/31/20	158,670	625,000	0
		6931511	C	P153000	OCE-1459702	Flierl /Glenn Richard	03/01/15	02/29/20	39,044	351,401	0
		6931552	C	P068700	CMMI-1462158	Shah /Devavrat	08/01/15	03/31/20	49,512	174,973	0
		6931579	C	P061090	IIS-1453141	Stirling /Leia A.	06/01/15	06/30/21	157,127	625,901	33,150
		6931735	C	P152000	CHE-1464799	Danheiser /Rick Lane	05/01/15	07/31/20	122,769	375,615	0
		6931839	C	P154000	DMS-1500219	Postnikov /Alexander	06/01/15	05/31/19	(81)	151,604	0
		6931885	C	P158000	CCF-1452616	Harrow /Aram W.	06/01/15	05/31/20	71,289	600,000	146,548
		6931888	C	P154000	DMS-1500771	Jerison /David S	06/01/15	08/31/20	27,429	385,077	4,635
		6931927	C	P154000	DMS-1502244	Etingof /Pavel I	03/04/15	12/31/20	131,194	661,310	55,685
		6931939	C	P159900	PHY-1505855	Conrad /Janet Marie	02/01/15	08/31/19	(5,789)	163,166	(0)
		6931940	C	P154000	DMS-1510305	Pan /Yu	06/01/15	08/31/19	21,702	179,949	0
		6931954	C	P267300	DMR-1509197	Kong /Jing	07/01/15	06/30/19	(1,743)	300,000	0
		6932000	C	P153000	OCE-1502985	McGee /William David	06/01/15	05/31/19	(22)	161,221	(0)

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		6932004	C	P067952	IIS-1447476	Freeman /William T	09/15/15	08/31/19	43,212	235,009	(0)
		6932014	C	P063007	CCF-1453126	Amin /Saurabh	06/15/15	05/31/20	(7,045)	400,000	(0)
		6932051	C	P067952	CCF-1512611	Chlipala /Adam	09/01/15	08/31/20	55,748	800,000	44,898
		6932054	C	P153000	AGS-1461517	Emanuel /Kerry Andrew	06/15/15	05/31/19	(252)	525,648	(0)
		6932066	C	P159900	PHY-1505858	Conrad /Janet Marie	05/01/15	09/30/19	(53)	101,875	0
		6932078	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/21	269,707	2,010,003	99,806
		6932192	C	P062000	CHE-1452857	Tisdale /William	07/01/15	06/30/20	53,882	650,000	(0)
		6932200	C	P267111	ECCS-1509486	Berggren /Karl K	06/15/15	05/31/19	7,613	380,636	0
		6932208	C	P154000	DMS-1462401	Staffilani /Gigliola	07/01/15	06/30/19	3,206	251,706	(0)
		6932245	C	P153000	EAR-1451022	Evans /James Brian	08/01/15	07/31/19	40,978	275,035	0
		6932248	C	P159900	PHY-1505858	Conrad /Janet Marie	06/01/15	09/30/19	0	49,801	0
		6932262	C	P153000	DMS-1521765	Andrade Lima /Eduardo	07/01/15	06/30/19	2,132	196,902	0
		6932291	C	P153000	AGS-1539972	Solomon /Susan	09/01/15	08/31/19	60,746	470,433	0
		6932312	C	P067952	CCF-1533753	Amarasinghe /Saman P	08/01/15	07/31/20	235,253	608,879	(48,268)
		6932317	C	P400600	CCF-1231216	Poggio /Tomaso A	07/15/13	08/31/19	0	1,442,841	(0)
		6932336	C	P065005	AGS-1520825	Peacock /Thomas	09/01/15	08/31/20	443,078	2,193,628	188,076
		6932400	C	P063007	PLR-1503966	Entekhabi /Dara	08/15/15	07/31/19	32,396	284,027	0
		6932401	C	P153000	OCE-1536515	Ferrari /Raffaele	10/01/15	09/30/20	57,875	423,953	88,195
		6932425	C	P401710	DUE-1503793	Matthews /Lynn D.	08/15/15	07/31/19	10,051	237,485	0
		6932427	C	P069850	DMR-1507047	Tuller /Harry L	05/15/15	07/31/20	64,587	563,989	5,427
		6932432	C	P165000	CCF-1547999	Bathe /Mark	08/01/15	07/31/19	26,256	155,000	0
		6932434	C	P095500	SES-1528487	Berinsky /Adam	08/15/15	07/31/21	53,725	588,225	264,830
		6932435	C	P067952	ECCS-1532591	Torralba /Antonio	08/01/15	07/31/19	60,790	805,000	7,544
		6932479	C	P069850	DMR-1534340	Olivetti /Elsa A	08/24/15	09/30/19	175,731	792,523	0
		6932480	C	P267100	PHY-1506019	Zwierlein /Martin Wolfram	05/16/15	07/31/20	125,004	610,000	44,381
		6932483	C	P159900	PHY-1505858	Conrad /Janet Marie	05/01/15	09/30/19	(15,702)	891,324	0
		6932493	C	P067952	CNS-1526791	Balakrishnan /Hari	10/01/15	09/30/19	0	500,000	138,810
		6932496	C	P039000	IIS-1527181	Raskar /Ramesh	09/01/15	08/31/20	23,828	423,563	(23,828)
		6932501	C	P067952	CCF-1535851	Indyk /Piotr	09/01/15	08/31/20	105,363	500,000	2,191
		6932502	C	P067952	IIS-1513443	Madden /Samuel R	09/01/15	08/31/19	9,549	333,333	0
		6932514	C	P067952	CCF-1461559	Lynch /Nancy Ann	09/01/15	08/31/20	132,759	741,436	5,714
		6932517	C	P068700	CNS-1523546	Shah /Devavrat	10/01/15	09/30/20	260,360	500,000	43,660
		6932534	C	P165000	PHY-1454673	Ribbeck /Katharina	09/01/15	08/31/20	152,249	724,977	21,027
		6932537	C	P067952	CCF-1533644	Leiserson /Charles E	09/01/15	09/30/20	429,837	1,775,830	280,097
		6932538	C	P067952	IIS-1524817	Torralba /Antonio	09/01/15	08/31/19	39,583	455,833	(0)
		6932539	C	P068700	CCF-1525705	Win /Moe Z	09/01/15	08/31/20	29,353	175,000	82,182
		6932551	C	P267100	PHY-1506369	Ketterle /Wolfgang	09/01/15	08/31/22	427,418	2,454,150	555,897
		6932557	C	P066000	CMMI-1536233	Ortiz /Christine	06/01/15	08/31/20	61,334	398,508	30,642
		6932559	C	P152000	CHE-1463707	Schrock /Richard Royce	09/01/15	08/31/19	5,072	598,931	0
		6932592	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	09/03/15	10/31/20	0	249,709	(0)
		6932593	C	P068700	AST-1547331	Modiano /Eytan H	09/01/15	08/31/19	62,297	332,186	0
		6932594	C	P069850	DMR-1505947	Thompson /Carl Vernet	06/01/15	08/31/19	3,824	457,389	(0)
		6932597	C	P067952	IIS-1523767	Lozano-Perez /Tomas	09/01/15	08/31/19	(7,913)	899,992	(0)
		6932599	C	P067952	CMMI-1547154	Matusik /Wojciech	09/01/15	08/31/19	0	150,000	(11,202)
		6932605	C	P065004	DMS-1512925	Akylas /Triantaphyllos R	09/01/15	08/31/19	25,287	410,109	(0)

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		6932610	C	P066000	DMR-1508072	Ortiz /Christine	06/01/15	08/31/19	(32,937)	389,613	0
		6932617	C	P159900	PHY-1554875	Winslow /Lindley	03/16/15	01/31/20	17,072	474,845	(2,802)
		6932621	C	P067952	IIS-1546290	Demaine /Erik D	12/01/15	11/30/20	73,940	500,000	(5,454)
		6932627	C	P154500	BCS-1534318	Gibson /Edward A	06/01/15	02/29/20	2,019	366,881	0
		6932631	C	P065004	CMMI-1547154	Hart /Anastasios John	09/01/15	08/31/19	24,975	150,000	(954)
		6932648	C	P067952	CCF-1533753	Durand /Frederic	08/01/15	07/31/19	(35,673)	157,201	0
		6932649	C	P067952	CCF-1533753	Matusik /Wojciech	08/01/15	07/31/19	0	78,920	(12,671)
		6932653	C	P154000	DMS-1522526	Sutherland /Andrew Victor	09/15/15	08/31/19	3,487	179,433	0
		6932657	C	P097000	PHY-1541160	Kaiser /David I	06/01/15	08/31/20	74,649	900,360	118,508
		6932665	C	P068700	CNS-1524317	Modiano /Eytan H	10/01/15	09/30/20	138,547	460,000	20,834
		6932687	C	P093800	DRL-1508911	Klopper /Eric	09/15/15	08/31/19	11,028	396,998	(0)
		6932689	C	P068700	CNS-1544413	Karaman /Sertac	09/15/15	08/31/19	(81,334)	431,314	(0)
		6932690	C	P067952	CNS-1526815	Rus /Daniela L	10/01/15	09/30/20	206,441	486,117	87,456
		6932700	C	P065004	CNS-1544751	Annaswamy /Anuradha M	09/15/15	08/31/19	(18,260)	349,642	(0)
		6932921	C	P069201	CBET-0939511	Asada /Haruhiko	09/01/15	08/31/21	112,177	518,996	(309)
		6932922	C	P069201	CBET-0939511	Boyer /Laurie Ann	09/01/15	08/31/21	59,937	546,082	(18,696)
		6932923	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/21	73,074	989,139	47,447
		6932924	C	P069201	CBET-0939511	Weiss /Ron	09/01/15	08/31/21	185,858	972,484	(53,073)
		6932925	C	P069201	CBET-0939511	Griffith /Linda G	09/01/15	08/31/21	85,959	710,873	39,669
		6932926	C	P069201	CBET-0939511	Hammond /Paula T	09/01/15	08/31/21	1,592	525,693	27,849
		6932927	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/21	2,597,272	14,087,855	2,177,499
		6932928	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/21	0	217,811	56,676
		6933264	C	P153000	EAR-1552202	Jagoutz /Oliver E	01/01/16	12/31/19	8,357	319,871	0
		6933276	C	P065005	EAR-1520825	Lermusiaux /Pierre	09/01/15	08/31/20	97,793	473,671	58,069
		6933277	C	P065005	EAR-1520825	Peacock /Thomas	09/01/15	08/31/20	(9,734)	63,701	8,700
		6933336	C	P067952	CCF-1553428	Madry /Aleksander	01/01/16	12/31/20	126,533	550,000	155,390
		6933337	C	P067952	CCF-1521584	Chlipala /Adam	12/15/15	11/30/20	78,767	1,148,325	3,389
		6933370	C	P069201	CCF-1521925	Weiss /Ron	12/15/15	11/30/20	118,683	1,552,035	(9,546)
		6933408	C	P310000	CCF-1521759	Carr /Peter A.	12/15/15	11/30/20	0	0	0
		6933440	C	P067952	IIS-1553284	Jegelka /Stefanie Sabrina	01/15/16	12/31/20	126,132	493,059	201,902
		6933496	C	P065005	ECCS-1554171	Turitsyn /Konstantin	03/01/16	02/28/21	12,169	500,000	13,778
		6933498	C	P069850	DMR-1554891	Checkelsky /Joseph	02/01/16	01/31/21	86,246	514,610	72,011
		6933551	C	P062000	CBET-1554398	Swan /James W	02/01/16	01/31/21	20,551	500,000	137,418
		6933576	C	P153000	EAR-1551321	Grove /Timothy L	03/01/16	02/28/21	137,159	439,000	34,970
		6933670	C	P066000	DMR-1606911	Ross /Caroline A	06/01/16	05/31/19	893	360,000	0
		6933711	C	P069201	CCF-1521925	Lu /Timothy K	12/15/15	11/30/20	235,042	629,035	(25,833)
		6933712	C	P065004	CCF-1521925	Del Vecchio /Domitilla	12/15/15	11/30/20	247,720	729,036	3,002
		6933713	C	P069201	CCF-1521925	Weiss /Ron	12/15/15	11/30/20	124,302	422,894	165,714
		6933744	C	P063007	CMMI-1562912	Osorio Pizano /Carolina	06/01/16	05/31/20	93,075	338,831	20,088
		6933777	C	P121012	CMMI-1563343	Perakis /Georgia	07/01/16	06/30/20	160,786	395,000	(4)
		6933779	C	P153000	AGS-1547733	Plumb /Raymond Alan	04/01/16	03/31/20	21,526	388,860	0
		6933780	C	P061901	PHY-1504942	Mirny /Leonid A	02/15/16	05/31/19	6	449,612	0
		6933784	C	P091000	SES-1555071	Wolitzky /Alexander Greenberg	03/01/16	02/28/21	49,400	457,897	269,839
		6933835	C	P153000	OCE-1558702	Follows /Michael J	04/01/16	03/31/20	52,524	174,885	0
		6933845	C	P165000	CCF-1564025	Bathe /Mark	04/01/16	03/31/21	91,248	638,493	61,884

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		6933873	C	P153000	PLR-1607968	McGee /William David	09/01/16	08/31/19	904	108,531	(0)
		6933874	C	P063007	AGS-1564495	Heald /Colette L.	09/01/16	08/31/19	27,176	499,247	0
		6933910	C	P154000	DMS-1601946	Poonen /Bjorn	06/01/16	05/31/21	223,152	650,000	117,407
		6933939	C	P068700	CCF-1565235	Parrilo /Pablo A	05/01/16	04/30/21	140,664	745,000	88,040
		6933947	C	P153000	PLR-1543366	Marshall /John C	04/15/16	03/31/20	245,535	822,532	0
		6933960	C	P067952	CNS-1563763	Kaashoek /M. Frans	06/01/16	05/31/20	173,646	900,000	174,994
		6933990	C	P154000	DMS-1601953	Bezrukavnikov /Roman	06/01/16	05/31/21	119,445	532,000	(22,012)
		6933991	C	P067952	CCF-1563880	Shavit /Nir N.	07/15/16	08/31/20	9,945	540,000	21,049
		6934004	C	P093800	DRL-1639069	Klopper /Eric	01/01/16	06/30/20	119,066	2,506,155	0
		6934033	C	P066000	ECCS-1607865	Ross /Caroline A	06/01/16	05/31/19	(2,041)	200,000	(0)
		6934042	C	P066000	ECCS-1607865	Hu /Juejun	06/01/16	05/31/19	(18,164)	200,000	0
		6934044	C	P091020	SES-1559367	Olken /Benjamin	05/01/16	04/30/21	0	101,134	61,707
		6934051	C	P066000	DMR-1606914	Schuh /Christopher A	09/01/16	08/31/19	227	411,548	0
		6934119	C	P154000	DMS-1607901	Borodin /Alexei	06/01/16	08/31/19	54,971	300,000	0
		6934146	C	P067952	CCF-1565235	Moitra /Ankur	05/01/16	04/30/21	125,700	745,000	171,932
		6934147	C	P067952	CCF-1565235	Kelner /Jonathan Adam	05/01/16	04/30/21	138,595	645,000	115,260
		6934199	C	P267500	CBET-1605406	Bulovic /Vladimir	06/01/16	05/31/19	72,293	293,501	(0)
		6934203	C	P067952	CCF-1617730	Daskalakis /Konstantinos	06/01/16	06/30/20	87,698	500,000	(873)
		6934246	C	P069850	CBET-1605050	Olivetti /Elsa A	06/01/16	05/31/19	(1,165)	240,870	0
		6934297	C	P153000	AGS-1552195	O'Gorman /Paul	07/01/16	06/30/20	121,395	420,185	(11)
		6934317	C	P154500	BCS-1551866	Levy /Roger P	06/01/16	01/31/21	67,823	329,233	1,234
		6934322	C	P062000	CBET-1602406	Doyle /Patrick S	09/01/16	08/31/19	34,780	300,000	(0)
		6934327	C	P153000	PLR-1603557	Marshall /John C	09/01/16	08/31/19	28,051	406,936	0
		6934348	C	P159900	PHY-1607225	Williams /Michael	07/01/16	06/30/19	13	297,182	0
		6934361	C	P267110	ECCS-1609240	Perreault /David J	09/01/16	08/31/19	(5,539)	265,000	(0)
		6934379	C	P065004	IIS-1617403	Jones /Lynette A	07/01/16	06/30/19	893	500,000	(0)
		6934383	C	P159900	ACI-1550172	Roland /Gunther M	07/01/16	06/30/21	73,869	189,500	609
		6934418	C	P151072	MCB-1615252	Imperiali /Barbara	07/01/16	06/30/19	4,324	150,000	(0)
		6934434	C	P067952	DRL-1614548	Abelson /Harold	09/01/16	08/31/19	161,868	1,114,510	0
		6934446	C	P068700	CMMI-1634259	Shah /Devavrat	09/01/16	08/31/20	49,341	180,000	39,810
		6934447	C	P068000	ECCS-1610806	Li /Ju	07/15/16	03/31/20	90,623	270,000	(0)
		6934452	C	P091000	SES-1558205	Fudenberg /Drew	07/15/16	06/30/20	117,981	302,406	(2,579)
		6934458	C	P154500	BCS-1634050	McDermott /Joshua Hartman	07/01/16	06/30/19	(1,541)	500,000	0
		6934462	C	P154500	BCS-1627068	Saxe /Rebecca R	07/15/16	12/31/19	63,282	600,000	(0)
		6934466	C	P069850	CMMI-1562567	Allanore /Antoine	08/01/16	01/31/20	23,636	140,312	(0)
		6934499	C	P065004	CBET-1605547	Buonassisi /Anthony	08/01/16	01/31/20	63,775	300,000	0
		6934508	C	P065005	IIS-1637753	Rodriguez Garcia /Alberto	09/01/16	08/31/19	12,509	415,237	0
		6934519	C	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/21	52,647	409,276	93,772
		6934528	C	P243020	ACI-1640829	Greenwald /Martin J	09/01/16	09/30/20	78,125	500,000	(14,969)
		6934547	C	P067952	CNS-1563826	Balakrishnan /Hari	06/01/16	05/31/20	118,413	898,333	458,494
		6934551	C	P063007	AGS-1638672	Kroll /Jesse	08/12/16	08/31/20	87,496	541,983	78,750
		6934569	C	P067952	CMMI-1644558	Matusik /Wojciech	09/01/16	08/31/20	6,978	320,000	26,071
		6934580	C	P067952	CNS-1617487	Morris /Robert Tappan	10/01/16	09/30/19	57,549	499,791	(0)
		6934581	C	P061097	ACI-1550487	Marzouk /Youssef M	09/01/16	08/31/20	88,441	524,968	68,878
		6934590	C	P068700	CNS-1617091	Modiano /Eytan H	10/01/16	09/30/20	141,793	250,000	18,458

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		6934592	C	P267100	EFMA-1641064	Cappellaro /Paola	10/01/16	09/30/21	110,301	495,824	17,809
		6934593	C	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/21	104,330	1,008,350	617
		6934623	C	P267100	PHY-1506019	Zwierlein /Martin Wolfram	05/16/15	07/31/20	21,533	140,000	(4,293)
		6934638	C	P067952	CNS-1639994	Weitzner /Daniel J	09/01/16	08/31/19	49,703	296,403	0
		6934644	C	P154000	PHY-1620045	Freedman /Daniel Z	09/01/16	08/31/20	5,702	30,000	12,031
		6934660	C	P159900	PHY-1505855	Conrad /Janet Marie	02/01/15	08/31/19	1,560	211,414	0
		6934663	C	P121012	CMMI-1634259	Farias /Vivek F.	09/01/16	08/31/20	79,147	180,000	0
		6934669	C	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/20	21	84,060	83,987
		6934673	C	P267200	IIS-1651190	Hufnagel /Stefanie S	09/01/16	08/31/19	20,801	214,449	0
		6934700	C	P267200	CCF-1640012	Soljacic /Marin	09/01/16	08/31/20	33,095	184,806	1,946
		6934701	C	P154000	DMS-1566618	Lusztig /George	05/03/16	08/31/19	(2)	190,000	0
		6934702	C	P066000	CBET-1605943	Holten-Andersen /Niels	09/01/16	08/31/19	367	249,807	0
		6934717	C	P067952	IIS-1607189	Shavit /Nir N.	09/01/16	08/31/20	47,742	332,588	2,690
		6934725	C	P152000	CHE-1629358	Johnson /Jeremiah A.	09/15/16	08/31/21	85,480	500,000	(527)
		6934730	C	P153000	EAR-1615426	Fournier /Gregory P.	09/01/16	08/31/20	221,813	1,048,181	188,005
		6934735	C	P067952	IIS-1636766	Madden /Samuel R	09/01/16	08/31/20	535,656	816,440	50,452
		6934753	C	P067952	CNS-1617702	Alizadeh Attar /Mohammadreza	10/01/16	09/30/19	29,712	249,931	0
		6934765	C	P065004	IIS-1637824	Hogan /Neville	01/01/17	12/31/20	91,940	500,000	60,295
		6934794	C	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/20	190,398	795,255	500,302
		6934797	C	P153000	EAR-1647504	Weiss /Benjamin P	07/01/16	08/31/20	64,814	404,970	23,152
		6934806	C	P267100	PHY-1506369	Ketterle /Wolfgang	08/01/16	08/31/22	72,290	255,000	(28,369)
		6934840	C	P093800	DRL-1639069	Klopfel /Eric	01/01/16	06/30/20	29,736	254,150	21,548
		6934847	C	P062000	CHE-1629358	Olsen /Bradley D.	09/01/16	08/31/21	106,123	500,000	167,882
		6934857	C	P401710	AST-1609547	Lonsdale /Colin John	09/15/16	08/31/19	10,120	110,312	(0)
		6934862	C	P067952	IIS-1607486	Rosenholtz /Ruth Ellen	12/01/16	11/30/20	256,277	681,746	133,116
		6934905	C	P153000	EAR-1647504	Weiss /Benjamin P	07/01/16	08/31/20	80,825	443,621	68,444
		6934952	C	P400600	DRL-1644540	Gabrieli /John D. E.	09/15/16	08/31/20	447,222	1,579,146	107,269
		6934953	C	P401710	AST-1614868	Fish /Vincent L.	09/15/16	08/31/21	147,088	440,795	89,981
		6934974	C	P065005	AGS-1520825	Peacock /Thomas	09/01/15	08/31/20	0	80,000	55,839
		6935085	C	P069201	CBET-0939511	Kamm /Roger Dale	06/01/16	08/31/18	0	23,163	0
		6935144	C	P153000	AGS-1623218	Cronin /Timothy Wallace	11/15/16	10/31/19	(1,640)	269,038	(0)
		6935260	C	P159900	PHY-1554875	Winslow /Lindley	11/01/16	01/31/20	58,933	309,327	0
		6935312	C	P152000	CHE-1654415	Willard /Adam P.	09/01/16	11/30/21	112,599	646,243	229,207
		6935315	C	P067952	CMMI-1644558	Rus /Daniela L	09/01/16	08/31/20	182,834	320,000	83,239
		6935335	C	P068000	DMR-1654548	Short /Michael P	06/01/17	05/31/22	132,754	402,424	(150,771)
		6935406	C	P067952	CCF-1640012	Sanchez Martin /Daniel	09/01/16	08/31/20	(173)	147,780	(0)
		6935407	C	P267111	CCF-1640012	Englund /Dirk R.	09/01/16	08/31/20	86,959	132,219	5,671
		6935493	C	P060600	ECCS-1653553	Liu /Luqiao	02/01/17	01/31/22	77,729	500,000	197,346
		6935540	C	P152000	MCB-1652390	Shoulders /Matthew D.	10/01/16	12/31/21	133,622	821,455	54,637
		6935544	C	P067952	CCF-1723344	Sontag /David Alexander	01/01/17	08/31/21	12,909	399,999	276,811
		6935593	C	P065004	DMR-1651101	Kolpak /Alexie M	02/01/17	02/01/19	(30,011)	191,000	0
		6935655	C	P060600	ECCS-1653100	Han /Ruonan	02/01/17	01/31/22	56,243	500,000	140,316
		6935664	C	P066000	CHE-1653289	Macfarlane /Robert J	02/01/17	01/31/22	(28,983)	690,238	(23,599)
		6935710	C	P267110	ECCS-1639921	Sze /Vivienne	10/01/16	09/30/19	20,254	83,833	0
		6935711	C	P066000	ECCS-1639921	Ross /Caroline A	10/01/16	09/30/19	2,873	83,833	(0)

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		6935738	C	P063007	EAR-1659923	Nepf /Heidi	02/15/17	01/31/21	105,381	440,751	151,613
		6935783	C	P068700	DMS-1651995	Uhler /Caroline	07/01/17	06/30/22	21,154	233,223	77,445
		6935852	C	P401710	AST-1659420	Lonsdale /Colin John	04/01/17	03/31/21	14,879	62,286	(38)
		6935870	C	P267111	CCF-1640012	Englund /Dirk R.	03/01/17	08/31/20	35,118	71,500	679
		6935877	C	P063007	IOS-1645061	Chisholm /Sallie W	05/01/17	04/30/21	187,979	760,554	95,415
		6935923	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	07/31/18	0	160,202	0
		6935924	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	09/30/18	0	158,939	(0)
		6935925	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	01/31/19	0	159,877	0
		6935926	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	06/30/19	0	159,920	0
		6935929	C	P401710	AST-1609547	Lonsdale /Colin John	02/01/17	08/31/19	3,674	38,556	0
		6935945	C	P065005	CBET-1653758	Winter /Amos G	06/01/17	05/31/22	141,586	500,000	179,104
		6936027	C	P068700	CNS-1701964	Modiano /Eytan H	04/01/17	03/31/20	76,453	149,928	(0)
		6936094	C	P065005	IOS-1645061	Buie /Cullen	05/01/17	04/30/20	(14,067)	104,472	(4,031)
		6936114	C	P063007	CMMI-1702689	Whittle /Andrew	04/01/17	03/31/21	88,175	350,112	79,981
		6936174	C	CCF-1651838	CCF-1651838	Williams /Virginia	01/01/17	02/28/22	95,632	332,211	71,698
		6936201	C	P063007	DEB-1655983	Cordero Sanchez /Otto X.	07/01/17	06/30/20	251,359	702,796	(11,523)
		6936239	C	P067952	CCF-1740519	Williams /Virginia	01/01/17	08/31/20	135,664	453,050	56,728
		6936281	C	P062000	DMR-1709315	Olsen /Bradley D.	09/01/17	08/31/21	80,638	360,000	143,556
		6936297	C	P067952	CCF-1741615	Williams /Richard Ryan	01/01/17	11/30/20	85,133	503,312	161,588
		6936310	C	P154000	DMS-1712596	Rigollet /Philippe	07/01/17	12/31/20	76,255	200,000	10,162
		6936314	C	P267200	CCF-1640012	Soljacic /Marin	05/01/17	05/01/20	0	22,534	0
		6936319	C	P065005	CNS-1730389	Wang /Evelyn	07/01/17	06/30/20	43,974	230,000	0
		6936323	C	P154000	DMS-1664619	Borodin /Alexei	04/02/17	06/30/21	67,735	296,607	18,678
		6936337	C	P063007	OCE-1658451	Cordero Sanchez /Otto X.	05/15/17	04/30/20	47,418	412,000	2,535
		6936349	C	P153000	EAR-1702588	McGee /William David	06/01/17	05/31/21	55,946	204,550	25,491
		6936388	C	P243020	PHY-1654168	Gomes Loureiro /Nuno F	06/01/17	05/31/22	83,371	401,312	94,022
		6936389	C	P267110	CNS-1743605	Chan /Vincent W. S.	06/01/17	06/30/19	6,386	66,713	0
		6936428	C	P267100	ECCS-1702716	Cappellaro /Paola	09/01/17	08/31/20	101,295	360,000	26,525
		6936429	C	P060085	DUE-1709359	Epstein /Ari W	06/15/17	05/31/21	5,405	54,825	3
		6936446	C	P069850	DMR-1608505	Todadri /Senthil	06/01/17	08/31/19	22,825	213,484	(0)
		6936484	C	P067952	CCF-1740525	Williams /Virginia	01/01/17	08/31/19	3,864	219,028	(5,645)
		6936513	C	P154000	DMS-1700127	Lawrie /Andrew W	06/01/17	06/30/20	36,185	149,999	8
		6936517	C	P154000	DMS-1737944	Mossel /Elchanan	09/01/17	08/31/21	154,729	477,394	165,626
		6936523	C	P065005	CMMI-1661627	Zhao /Xuanhe	06/15/17	05/31/20	24,512	370,000	(178)
		6936531	C	P267110	ECCS-1711027	Zheng /Lizhong	07/01/17	06/30/21	43,984	330,000	90,859
		6936532	C	P061097	DMS-1723011	Marzouk /Youssef M	09/01/17	08/31/20	15,506	110,000	28,212
		6936552	C	P069850	DMR-1743059	Checkelsky /Joseph	03/15/17	05/31/21	44,767	251,906	133,845
		6936557	C	P159600	PHY-1707549	Hughes /Scott A	07/01/17	06/30/21	115,093	359,955	89,846
		6936575	C	P065004	CBET-1706193	Kamrin /Kenneth N	07/01/17	06/30/21	110,619	230,482	61,480
		6936650	C	P159600	PHY-1705940	Evans /Matthew J	07/01/17	06/30/20	68,968	150,000	11
		6936652	C	P094000	BCS-1728970	Pesetsky /David	07/01/17	12/31/19	6,299	16,352	0
		6936671	C	P267110	CCF-1717610	Wornell /Gregory W	07/01/17	06/30/20	50,742	500,000	366,497
		6936675	C	P068700	CCF-1717842	Polyanskiy /Yury	07/01/17	06/30/21	122,109	450,000	259,979
		6936680	C	P159600	PHY-1707840	Mavalvala /Nergis	07/01/17	08/31/20	184,309	628,161	84,995
		6936691	C	P153000	EAR-1722935	Jagoutz /Oliver E	07/15/17	06/30/21	57,522	304,959	115,288

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		6936697	C	P065004	ECCS-1745547	Annaswamy /Anuradha M	09/01/17	08/31/19	24,536	125,000	0
		6936716	C	P153000	OCE-1736996	Boyle /Edward A	08/01/17	07/31/21	(19,230)	402,825	1,475
		6936732	C	P153000	OCE-1736109	Ferrari /Raffaele	09/01/17	08/31/20	20,818	500,078	329,460
		6936733	C	P065004	CMMI-1727189	Del Vecchio /Domitilla	09/01/17	08/31/20	240,366	400,000	5,138
		6936734	C	P068700	ECCS-1743938	Megretski /Alexandre	08/01/17	07/31/19	(8,770)	160,000	0
		6936735	C	P152000	CHE-1664799	Cummins /Christopher C	04/01/17	07/31/20	97,963	427,184	(40,498)
		6936738	C	P121012	CMMI-1727239	Farias /Vivek F.	09/01/17	08/31/20	144,233	471,670	132,841
		6936742	C	P068700	CNS-1713725	Modiano /Eytan H	10/01/17	09/30/21	111,383	500,000	299,656
		6936748	C	P062000	CBET-1704266	Kulik /Heather Janine	08/01/17	07/31/21	108,850	317,245	89,101
		6936751	C	P061901	PHY-1743900	Chakraborty /Arup K	08/01/17	07/31/20	358,292	957,436	63,360
		6936752	C	P154000	DMS-1712862	Sheffield /Scott Roger	08/01/17	07/31/22	101,680	368,404	98,063
		6936760	C	P152000	CHE-1665383	Nelson /Keith Adam	04/15/17	06/30/20	184,263	664,434	30,048
		6936766	C	P154000	DMS-1719637	Rosales /Rodolfo	06/01/17	07/31/21	23,288	123,296	45,787
		6936793	C	P152000	MCB-1715859	Zhang /Bin	08/01/17	07/31/20	229,351	651,038	12,719
		6936816	C	P165000	CHE-1709364	Dedon /Peter C	08/01/17	07/31/20	40,459	287,938	618
		6936818	C	P067952	IIS-1723381	Kaelbling /Leslie P	08/15/17	07/31/21	337,154	800,000	282,553
		6936822	C	P243021	DMR-1700137	Moodera /Jagadeesh	06/01/17	01/31/21	235,104	700,000	160,693
		6936823	C	P065005	CBET-1703978	Techet /Alexandra H	06/01/17	07/31/20	50,174	300,000	145,054
		6936824	C	P039000	IIP-1717362	Breazeal /Cynthia Lynn	08/01/17	07/31/21	218,273	999,817	480,261
		6936825	C	P154000	DMS-1707270	Minicozzi /William	08/01/17	07/31/21	101,191	300,181	60,093
		6936827	C	P267110	CNS-1717199	Chan /Vincent W. S.	08/01/17	07/31/20	77,850	498,975	72,380
		6936836	C	P400600	IIS-1744809	Fedorenko /Evelina G	08/01/17	07/31/19	(1,026)	150,000	0
		6936852	C	P067952	CNS-1718161	Vaikuntanathan /Vinod	08/01/17	07/31/20	139,031	500,000	33,048
		6936854	C	P165000	PHY-1707999	Bathe /Mark	08/15/17	07/31/21	61,516	540,000	414,213
		6936855	C	P062000	CMMI-1729304	Rutledge /Gregory C	09/01/17	08/31/21	168,458	1,125,775	665,935
		6936868	C	P402012	PHY-1743900	Sharp /Phillip A	08/01/17	07/31/20	2,480	42,564	(0)
		6936872	C	P069850	DMR-1708280	Kardar /Mehran	08/01/17	08/31/20	61,427	420,000	222,055
		6936873	C	P067952	IIS-1716413	Mueller /Stefanie	08/15/17	07/31/21	98,786	452,916	177,529
		6936875	C	P068700	CNS-1735463	Modiano /Eytan H	01/01/18	12/31/21	146,102	725,002	564,490
		6936876	C	P039070	DUE-1734870	Boyden /Edward	09/01/17	08/31/19	7,367	232,363	0
		6936911	C	P067952	IIS-1745125	Sontag /David Alexander	01/01/17	06/30/20	256,212	350,764	2,152
		6936915	C	P159600	AST-1716251	Frebel /Anna L.	09/01/17	08/31/21	232,412	650,659	336,546
		6936935	C	P165000	CHE-1709364	Dedon /Peter C	08/01/17	07/31/20	101,765	222,062	10,148
		6936948	C	P067952	IIS-1723943	Rus /Daniela L	08/15/17	07/31/21	3,343	235,000	90,658
		6936949	C	P065004	BCS-1724135	Hogan /Neville	09/01/17	10/31/20	78,254	300,000	118,515
		6936950	C	P267200	PHY-1720311	Orlando /Terry Philip	09/01/17	08/31/21	142,053	360,000	82,553
		6936994	C	P039000	DRL-1734443	Breazeal /Cynthia Lynn	09/01/17	08/31/21	496,705	882,935	176,616
		6936996	C	P121012	IIS-1718258	Mazumder /Rahul	09/01/17	08/31/21	57,469	318,000	167,646
		6937007	C	P063007	CHE-1709993	Kroll /Jesse	09/01/17	08/31/20	233,976	479,983	57,579
		6937026	C	P095500	SES-1725235	Kim /In Song	08/15/17	07/31/20	46,459	244,293	15,248
		6937028	C	P154000	CMMI-1727565	Bush /John W. M.	06/03/17	08/31/21	103,868	449,933	140,232
		6937030	C	P152000	CHE-1664799	Cummins /Christopher C	04/01/17	07/31/18	0	22,816	0
		6937031	C	P062000	CBET-1705923	Olsen /Bradley D.	09/01/17	08/31/21	126,453	350,000	163,072
		6937033	C	P067952	CCF-1740751	Indyk /Piotr	10/01/17	09/30/20	322,962	1,368,500	556,418
		6937035	C	P159900	OAC-1739772	Williams /Michael	09/01/17	08/31/21	98,063	275,000	17,712

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		6937056	C	P065004	CNS-1644877	Annaswamy /Anuradha M	09/01/17	01/31/20	68,421	199,876	(0)
		6937070	C	P069850	ECCS-1709212	Hu /Juejun	09/01/17	08/31/20	1,240	250,000	9,143
		6937073	C	P153000	AGS-1740533	Cronin /Timothy Wallace	09/01/17	08/31/20	193,386	350,393	36,270
		6937079	C	P039000	CNS-1739723	Adib /Fadel	09/01/17	08/31/20	116,973	320,586	15,405
		6937080	C	P061093	CNS-1739505	Balakrishnan /Hamsa	11/01/17	10/31/20	94,227	449,765	180,573
		6937085	C	P067952	IIS-1741137	Rubinfeld /Ronitt	09/02/17	11/30/20	65,570	450,000	15,701
		6937121	C	P165000	CBET-1729397	Bathe /Mark	01/01/18	12/31/21	292,018	770,500	386,576
		6937123	C	P069850	ECCS-1740274	Thompson /Carl Vernet	09/15/17	08/31/20	61,099	98,000	1,905
		6937141	C	P165000	CBET-1729397	Bathe /Mark	09/01/17	12/31/21	51,842	414,750	245,531
		6937142	C	P165000	CBET-1729397	Bathe /Mark	09/07/17	12/31/21	96,279	414,750	209,287
		6937150	C	P152000	CHE-1665383	Nelson /Keith Adam	01/16/17	07/16/17	0	43,110	0
		6937178	C	P067952	CCF-1725303	Mithal /Arvind	07/03/17	09/30/20	362,900	520,001	(24,349)
		6937189	C	P069850	DMR-1743059	Checkelsky /Joseph	03/01/17	06/16/17	0	2,511	(0)
		6937190	C	P159300	DUE-1734870	Flavell /Steven Willem	09/01/17	08/31/19	16,777	237,500	(0)
		6937191	C	P069850	DUE-1734870	Tegmark /Max Erik	09/01/17	08/31/19	(10,256)	237,433	0
		6937232	C	P405032	DRL-1723459	Reich /Blair Justin F	10/01/17	09/30/19	20,398	297,225	(0)
		6937242	C	P068700	IIS-1741341	Sra /Suvrit	10/01/17	09/30/21	95,607	536,115	371,025
		6937309	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	124	0	(124)
		6937344	C	P267500	CCF-1740184	Kim /Jeehwan	09/15/17	08/31/20	121,835	365,436	17,950
		6937350	C	P067952	CCF-1733808	Rubinfeld /Ronitt	09/15/17	08/31/20	47,708	232,999	1,060
		6937380	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	0	40,000	22,904
		6937381	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	183,880	367,000	(82,963)
		6937382	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	2,067	60,000	7,054
		6937383	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	26,575	120,000	(9,004)
		6937384	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	45,141	52,000	(49,932)
		6937385	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	45,363	90,000	(41,812)
		6937386	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	2,440,669	3,649,740	9,331
		6937387	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	62,934	178,260	6,405
		6937388	C	P267100	PHY-1734011	Cappellaro /Paola	09/01/17	08/31/22	100,142	450,000	98,173
		6937389	C	P267100	PHY-1734011	Vuletic /Vladan	09/01/17	08/31/22	184,129	483,000	(1,420)
		6937390	C	P267500	PHY-1734011	Chuang /Isaac	09/01/17	08/31/22	178	120,000	95,839
		6937391	C	P267100	PHY-1734011	Zwierlein /Martin Wolfram	09/01/17	08/31/22	63,044	300,000	37,179
		6937482	C	P067952	IIS-1741341	Jegelka /Stefanie Sabrina	10/01/17	09/30/21	119,252	488,248	340,696
		6937523	C	P065005	CNS-1735463	Turitsyn /Konstantin	01/01/18	12/31/21	0	74,998	(0)
		6937524	C	P035000	CNS-1735463	Glasmeier /Amy K	01/01/18	12/31/21	117,006	399,898	147,823
		6937566	C	P267111	EFMA-1641064	Englund /Dirk R.	09/27/17	09/30/20	14,533	47,750	(16,929)
		6937588	C	P153000	AGS-1702691	McGee /William David	11/15/17	10/31/20	21,591	135,540	(3,684)
		6937625	C	P039000	CNS-1739723	Adib /Fadel	09/01/17	08/31/20	2,821	18,000	11,410
		6937641	C	P067952	CCF-1751011	Carbin /Michael James	07/01/18	06/30/23	167,023	203,044	(7,179)
		6937682	C	P069850	DMS-1664412	Wen /Xiao-Gang	12/01/17	11/30/20	159,614	330,000	(1,520)
		6937683	C	P067952	CNS-1704172	Morris /Robert Tappan	01/15/18	12/31/21	276,105	584,770	(48,048)
		6937762	C	P159600	AST-1751096	McDonald /Michael A.	04/02/18	06/30/23	76,687	286,262	990
		6937785	C	P066000	CBET-1751925	Olivetti /Elsa A	02/01/18	01/31/23	84,842	295,775	152,270
		6937854	C	P267111	PHY-1734011	Englund /Dirk R.	09/01/17	08/31/22	56,260	300,000	112,548
		6937857	C	P267100	PHY-1734011	Zwierlein /Martin Wolfram	09/01/17	08/31/22	46,856	240,000	43,767

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		6937878	C	P066000	DMR-1751736	Jaramillo /Rafael	06/01/18	05/31/23	217,991	290,411	(65,000)
		6937890	C	P066000	DMR-1751736	Jaramillo /Rafael	06/01/18	05/31/23	4,609	20,000	6,891
		6938059	C	P067952	IIS-1741137	Daskalakis /Konstantinos	09/02/17	11/30/20	64,680	450,000	6,433
		6938130	C	P153000	AGS-1749986	O'Gorman /Paul	03/01/18	02/28/21	179,022	412,144	157,116
		6938134	C	P091000	SES-1757198	Angeletos /George M	04/01/18	03/31/21	113,599	277,000	25,956
		6938148	C	P153000	EAR-1615426	Fournier /Gregory P.	09/01/16	08/31/20	2,185	7,000	124
		6938158	C	P063007	CMMI-1752172	Marelli /Benedetto	04/01/18	03/31/23	54,067	500,000	357,656
		6938166	C	P039000	IIS-1729931	Raskar /Ramesh	03/01/18	02/28/23	67,305	280,000	183,493
		6938167	C	P154000	CCF-1729369	Shor /Peter Williston	03/01/18	02/28/23	335,555	1,543,431	618,782
		6938220	C	P320000	DGE-1807086	Danielson /Antje	01/01/18	08/31/19	47,839	115,261	0
		6938238	C	P401823	SMA-1757344	Murray /Fiona E	04/01/18	03/31/20	81,252	520,037	184,659
		6938253	C	P067952	IIS-1750286	Broderick /Tamara A	03/15/18	02/28/23	99,236	319,819	117,322
		6938254	C	P267111	EFMA-1641064	Englund /Dirk R.	03/01/18	09/30/20	0	23,800	1,270
		6938306	C	P153000	AGS-1749851	Cziczko /Daniel James	04/01/18	05/31/20	98,668	360,946	79,796
		6938371	C	P154500	BCS-1829350	Levy /Roger P	11/01/17	07/31/19	2,033	113,435	0
		6938373	C	P159600	AST-1824644	Crossfield /Ian Jm	08/01/17	08/31/20	131,224	277,020	17,528
		6938421	C	P091000	SES-1757199	Mikusheva /Anna	05/01/18	04/30/21	398	170,113	38,480
		6938427	C	P154000	DMS-1764176	Zhao /Yufei	07/01/18	06/30/21	66,549	180,000	53,319
		6938430	C	P152000	DMR-1809740	Swager /Timothy M	04/01/18	06/30/21	47,957	565,000	436,915
		6938468	C	P069850	DMR-1751739	Comin /Riccardo	02/01/18	04/30/23	149,577	387,938	61,207
		6938530	C	P154000	DMS-1749858	Dyatlov /Semen	07/01/18	06/30/20	61,869	170,000	102,104
		6938556	C	P154000	DMS-1810638	Xu /Zhouli	06/01/18	06/30/21	72,534	160,977	26,638
		6938578	C	P154000	DMS-1764403	Staffilani /Gigliola	07/01/18	06/30/21	56,751	240,000	82,618
		6938598	C	P069850	DMR-1809815	Gedik /Nuh	03/01/18	05/31/21	124,215	523,067	225,618
		6938604	C	P159900	PHY-1801996	Conrad /Janet Marie	01/31/18	04/30/21	205,431	888,455	330,222
		6938606	C	P067952	CNS-1751009	Alizadeh Attar /Mohammadreza	05/15/18	04/30/23	180,110	257,306	(69,411)
		6938617	C	P154000	DMS-1808794-001	Mrowka /Tomasz S	07/01/18	06/30/20	80,336	167,272	(21,370)
		6938620	C	P060600	ECCS-1808826	Liu /Luqiao	06/01/18	05/31/21	78,536	368,000	145,839
		6938621	C	P154000	DMS-1838118	Zhang /Wei	06/01/18	06/30/20	41,293	159,446	786
		6938645	C	P067952	CCF-1810758	Lynch /Nancy Ann	06/01/18	05/31/21	179,683	450,000	207,097
		6938711	C	P154000	DMS-1811267	Colding /Tobias	06/01/18	05/31/21	97,585	160,022	15,090
		6938712	C	P154000	DMS-1812142	Colding /Tobias	08/01/18	07/31/21	149,989	502,987	283,712
		6938758	C	P267110	CCF-1816209	Wornell /Gregory W	10/01/18	09/30/21	21,260	498,847	461,537
		6938760	C	P067952	IIS-1763434	Madden /Samuel R	06/01/18	05/31/22	350,200	1,154,000	715,425
		6938765	C	P066000	ECCS-1808828	Beach /Geoffrey Stephen	03/03/18	05/31/21	125,426	360,000	(1,783)
		6938820	C	P062000	MCB-1817708	Prather /Kristala L	09/01/18	08/31/21	138,280	400,789	169,063
		6938891	C	P154000	DMS-1764370	Postnikov /Alexander	07/01/18	06/30/21	46,565	180,000	94,377
		6938892	C	P153000	EAR-1753482	Pec /Matej	07/01/18	06/30/21	78,514	379,999	191,547
		6938897	C	P159600	AST-1814259	Vogelsberger /Mark	06/15/18	08/31/21	244,179	287,554	(34,444)
		6938934	C	P267100	PHY-1806765	Vuletic /Vladan	08/01/18	07/31/21	85,994	415,000	229,260
		6938936	C	P066000	DMR-1808190	Ross /Caroline A	07/15/18	06/30/21	171,677	450,000	(12,562)
		6938944	C	P154000	DMS-1760264	Negut /Andrei	07/15/18	06/30/21	56,728	200,000	113,626
		6939011	C	P159600	AST-1814053	Vogelsberger /Mark	09/15/18	08/31/21	86,464	177,238	(12,039)
		6939038	C	P067952	CCF-1814969	Sanchez Martin /Daniel	10/01/18	09/30/21	181,294	450,000	261,456
		6939039	C	P417500	DMR-1809802	Jarillo-Herrero /Pablo	08/01/18	07/31/22	118,541	477,069	242,168

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		6939040	C	P062000	CBET-1805566	Brushett /Fikile R	08/01/18	07/31/21	144,377	262,623	(1,980)
		6939047	C	P152000	CHE-1800410	Field /Robert W	08/01/18	07/31/21	185,457	600,000	290,423
		6939055	C	P152000	CHE-1800301	Cao /Jianshu	04/01/18	06/30/21	80,522	420,000	258,503
		6939069	C	P067952	OPP-1837646	Williams /Brian C	08/01/18	01/31/22	38,559	65,000	25,140
		6939083	C	P152000	CHE-1836913	Cao /Jianshu	05/03/18	07/31/21	47,353	200,000	80,312
		6939093	C	P068700	IIS-1761812	Shah /Devavrat	09/01/18	08/31/21	239,337	500,000	169,022
		6939098	C	P154500	IIS-1815529	Levy /Roger P	05/01/18	07/31/21	143,440	400,000	112,987
		6939101	C	P065004	CBET-1804241	Kolle /Mathias	08/15/18	07/31/21	83,559	180,000	81,993
		6939158	C	P152000	CHE-1828570	Nelson /Keith Adam	08/15/18	07/31/21	165,937	528,546	20,130
		6939165	C	P159600	PHY-1836814	Evans /Matthew J	08/15/18	07/31/21	267,461	1,154,304	853,865
		6939166	C	P065004	CMMI-1826216	Hart /Anastasios John	08/15/18	07/31/21	39,424	360,000	262,695
		6939170	C	P065004	CMMI-1825731	Kim /Jeehwan	08/15/18	07/31/21	93,703	225,000	73,863
		6939176	C	P067952	IIS-1815585	Matusik /Wojciech	09/01/18	08/31/21	71,064	250,000	79,083
		6939177	C	P067952	IIS-1815372	Matusik /Wojciech	09/01/18	08/31/21	105,979	250,000	61,995
		6939178	C	P065004	MCB-1840257	Del Vecchio /Domitilla	09/15/18	08/31/22	62,092	416,342	286,870
		6939179	C	P061093	CMMI-1841231	Leveson /Nancy G	09/01/18	12/31/19	70,678	124,450	0
		6939180	C	P067952	CNS-1812522	Zeldovich /Nickolai	09/01/18	08/31/21	136,880	500,000	309,731
		6939181	C	P067952	CNS-1815221	Madry /Aleksander	08/15/18	07/31/21	131,393	500,000	305,623
		6939184	C	P060600	ECCS-1809917	Han /Ruonan	08/15/18	07/31/21	156,041	330,000	45,808
		6939185	C	P153000	EAR-1827715	Ramezani /Jahandar	09/01/18	08/31/21	84,623	300,612	158,146
		6939231	C	P159600	AST-1836002	Simcoe /Robert A	06/02/18	08/31/22	921,613	3,999,687	2,305,755
		6939232	C	P065004	CMMI-1762961	Asada /Haruhiko	08/15/18	07/31/21	186,571	396,200	13,635
		6939233	C	P159900	PHY-1806440	Winslow /Lindley	08/15/18	07/31/21	220,705	447,841	51,226
		6939236	C	P067952	EFMA-1830901	Rus /Daniela L	09/01/18	08/31/22	324,368	1,770,890	1,370,989
		6939238	C	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	271,446	679,650	267,864
		6939244	C	P440107	DGE-1806815	Smith /Amy B	09/01/18	08/31/21	173,059	499,908	206,804
		6939245	C	P401710	AGS-1762141	Erickson /Philip J	06/03/18	05/31/20	1,661,857	3,937,549	(1,466)
		6939247	C	P065005	ECCS-1809314	Slotine /Jean-Jacques E	09/01/18	08/31/21	108,166	200,000	66,735
		6939249	C	P159900	PHY-1806251	Formaggio /Joseph A	09/01/18	08/31/21	181,636	400,000	100,890
		6939266	C	P159900	PHY-1841699	Shanahan /Phiala E	06/14/18	05/31/23	152,731	257,000	35,428
		6939267	C	P068700	ECCS-1808692	Dahleh /Munther A	09/01/18	08/31/21	16,769	360,000	250,125
		6939281	C	P065004	CBET-1804247	Gallant /Betar Maurkah	09/01/18	08/31/21	144,121	330,205	100,958
		6939285	C	P091000	DUE-1839921	Acemoglu /K. Daron	10/01/18	09/30/22	3,100	360,000	356,900
		6939318	C	P153000	OAC-1835618	Hill /Christopher N	11/01/18	10/31/22	102,421	688,217	549,931
		6939324	C	P060600	ECCS-1824360	Han /Ruonan	09/01/18	08/31/21	140,134	324,000	133,893
		6939325	C	P153000	EAR-1833478	Pec /Matej	09/01/18	08/31/21	136,635	279,921	75,792
		6939327	C	P267200	BCS-1827598	Hufnagel /Stefanie S	09/01/18	08/31/21	92,861	292,680	122,656
		6939330	C	P067952	OAC-1835443	Edelman /Alan	01/01/19	12/31/23	124,501	1,757,999	1,612,167
		6939338	C	P067952	EFMA-1830901	Tedrake /Russell L	09/01/18	08/31/22	209,839	229,110	(35,174)
		6939358	C	P067952	CNS-1813087	Devadas /Srinivas	09/01/18	08/31/21	78,574	500,000	283,271
		6939359	C	P069850	CMMI-1760025	Allanore /Antoine	09/15/18	08/31/21	120,808	357,418	226,402
		6939362	C	P067952	CCF-1836712	Zeldovich /Nickolai	11/01/18	10/31/22	282,038	750,000	374,641
		6939363	C	P067952	CCR-1822920	Devadas /Srinivas	10/01/18	09/30/21	5,215	450,000	443,874
		6939364	C	P067952	CNS-1801399	Jackson /Daniel	09/15/18	08/31/21	0	160,000	160,000
		6939368	C	P065004	CMMI-1826097	Hogan /Neville	09/15/18	08/31/21	97,731	349,104	213,161

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		6939383	C	P067952	BCS-1826757	Rosenholtz /Ruth Ellen	09/01/18	08/31/21	165,190	689,213	410,973
		6939385	C	P068700	CNS-1837212	Karaman /Sertac	09/01/18	09/30/21	232,432	470,000	82,533
		6939387	C	P067952	IIS-1838071	Solomon /Justin	12/01/18	11/30/22	353,114	475,000	68,014
		6939388	C	P068700	DMS-1839258	Sra /Suvrit	10/01/18	09/30/21	138,916	300,000	155,458
		6939393	C	P153000	AGS-1835576	Ferrari /Raffaele	11/01/18	10/31/23	118,339	1,250,000	1,130,881
		6939395	C	P159600	OAC-1841617	Katsavounidis /Erotokritos	10/01/18	09/30/20	16,390	32,362	1,168
		6939398	C	P067952	IIS-1830282	Shah /Julie A	07/01/18	09/30/22	266,978	731,590	385,653
		6939402	C	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	09/30/21	(2,567)	0	0
		6939403	C	P165000	CHE-1839155	Bathe /Mark	09/15/18	08/31/22	120,538	321,772	128,633
		6939431	C	P069200	MCB-1840257	Weiss /Ron	09/15/18	08/31/22	234,161	416,342	67,185
		6939432	C	P151062	MCB-1840257	Laub /Michael T	09/15/18	08/31/22	81,509	167,316	52,663
		6939462	C	P065009	CBET-1851052	Schmidt /Aaron J	10/01/18	01/31/21	107,125	226,299	85,295
		6939464	C	P153000	OCE-1756324	Ferrari /Raffaele	09/15/18	08/31/22	127,551	388,901	226,460
		6939465	C	P062000	CMMI-1824297	Swan /James W	01/01/19	12/31/21	115,185	377,185	249,334
		6939491	C	CCF-1231216	P400600	Poggio /Tomaso A	08/01/13	08/31/23	(114,375)	0	(56,789)
		6939492	C	CCF-1231216	P400600	Poggio /Tomaso A	08/01/13	08/31/23	372,546	1,110,718	433,942
		6939493	C	CCF-1231216	P400600	Poggio /Tomaso A	08/01/13	08/31/23	355,753	882,369	250,190
		6939494	C	CCF-1231216	P400600	Poggio /Tomaso A	08/01/13	08/31/23	679,317	1,378,821	269,061
		6939495	C	CCF-1231216	P400600	Poggio /Tomaso A	08/01/13	08/31/23	607,943	1,384,512	317,901
		6939496	C	CCF-1231216	P400600	Poggio /Tomaso A	08/01/13	08/31/23	863,600	1,436,762	20,663
		6939499	C	CCF-1231216	P400600	Poggio /Tomaso A	08/01/13	08/31/23	357,850	831,576	334,745
		6939500	C	CCF-1231216	P400600	Poggio /Tomaso A	08/01/13	08/31/23	631,167	1,363,988	400,105
		6939516	C	P154500	BCS-1823919	Scott /Kimberly Dunne	09/01/18	08/31/21	191,043	584,445	346,363
		6939526	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/20	0	16,839	1
		6939548	C	P069201	CCF-1807575	Voigt /Christopher A.	10/01/18	09/30/21	167,998	323,750	63,527
		6939566	C	P267110	CNS-1837212	Sze /Vivienne	09/01/18	09/30/21	142,815	500,000	346,109
		6939621	C	P159600	AST-1836002	Simcoe /Robert A	06/02/18	08/31/20	163,460	1,300,000	339,877
		6939668	C	P267500	OAC-1839159	Chuang /Isaac	10/01/18	09/30/21	89,884	309,000	219,116
		6939669	C	P060600	OAC-1839159	Han /Ruonan	10/01/18	09/30/21	100,770	345,000	200,989
		6939794	C	P159600	PHY-1707840	Mavalvala /Nergis	08/01/18	06/30/20	8,316	34,000	15,251
		6939797	C	P267111	CHE-1839155	Englund /Dirk R.	09/15/18	08/31/22	100,748	293,364	178,445
		6939798	C	P165000	CHE-1839155	Schlaue-Cohen /Gabriela S	09/15/18	08/31/22	37,418	211,032	140,362
		6939799	C	P165000	CHE-1839155	Willard /Adam P.	09/15/18	08/31/22	45,859	173,832	101,524
		6939858	C	P267100	PHY-1806765	Vuletic /Vladan	08/01/18	07/31/20	26,937	65,000	(14,584)
		6939902	C	P151073	MCB-1844668	Li /Gene-Wei	03/01/19	02/29/24	221,939	382,716	142,490
		6939940	C	P121012	OAC-1835443	Vielma Centeno /Juan Pablo	01/01/19	12/31/23	70,269	1,740,561	1,627,415
		6939950	C	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	09/30/21	60,621	339,100	228,312
		6940006	C	P068700	CNS-1544413	Karaman /Sertac	10/01/18	08/31/19	79,987	164,327	0
		6940017	C	P159900	PHY-1806440	Winslow /Lindley	11/01/18	07/31/21	16,399	13,800	(5,418)
		6940036	C	P154000	DMS-1902645	Collins /Tristan	07/01/18	06/30/21	49,747	158,341	57,177
		6940043	C	P094000	BCS-1841673 000	Pesetsky /David	12/15/18	05/31/21	0	13,651	5,121
		6940067	C	P417500	DMR-1847861	Metlitski /Maxim A.	02/01/19	01/31/24	78,811	230,000	116,269
		6940092	C	P063007	EAR-1854564	Nepf /Heidi	07/01/19	06/30/22	88,022	269,787	181,765
		6940120	C	P060600	ECCS-1824360	Chandrakasan /Anantha P	09/01/18	08/31/21	90,873	324,000	228,013
		6940136	C	P062000	CMMI-1824297	Doyle /Patrick S	01/01/19	12/31/21	125,725	403,081	269,322

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		6940204	C	P039000	CCF-1521759	Kong /David S.	10/01/18	11/30/20	45,997	75,000	317
		6940219	C	P069850	DMR-1554891	Checkelsky /Joseph	02/01/19	06/28/19	0	9,900	0
		6940235	C	P153000	AGS-1804512	McGee /William David	02/01/19	01/31/22	39,635	103,374	44,325
		6940263	C	P062000	CBET-1846426	Kulik /Heather Janine	06/01/19	05/31/24	37,337	593,678	551,933
		6940266	C	P067952	IIS-1844406	Mueller /Stefanie	04/02/19	06/30/24	48,507	98,817	47,992
		6940277	C	P159300	IOS-1845663	Flavell /Steven Willem	04/01/19	03/31/24	158,494	463,594	276,219
		6940278	C	P154500	BCS-1844723	Levy /Roger P	03/01/19	02/28/21	11,315	18,414	6,295
		6940286	C	P039000	CNS-1844280	Adib /Fadel	02/15/19	01/31/24	102,981	244,821	115,307
		6940289	C	P063007	CBET-1919316	Plata /Desiree Louise	07/01/18	02/28/21	99,784	226,338	44,173
		6940297	C	P159900	PHY-1904160-001	Williams /Michael	03/01/19	03/31/24	148,393	539,786	368,678
		6940301	C	P154000	DMS-1845034-001	Negut /Andrei	05/01/19	06/30/24	12,875	143,345	119,652
		6940315	C	P061901	CBET-1847541	Roche /Ellen	06/01/19	05/31/24	87,264	425,741	310,293
		6940317	C	P067952	CCF-1845763	Shun /Julian	03/01/19	02/29/24	26,917	222,468	192,260
		6940395	C	P068700	IIS-1846088	Sra /Suvrit	03/15/19	02/29/24	144,117	194,191	30,082
		6940425	C	P159900	PHY-1904160	Williams /Michael	03/01/19	03/31/24	248,037	516,020	624
		6940427	C	P068700	IIS-1838071	Rigollet /Philippe	12/01/18	11/30/22	50,902	525,000	474,098
		6940491	C	P154000	DMS-1853981	Borodin /Alexei	09/01/19	08/31/24	32,709	100,000	67,291
		6940518	C	P097000	SES-1849526	Light /Jennifer S	05/01/19	04/30/20	13,030	13,032	2
		6940526	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	10/31/20	65,555	100,000	34,445
		6940527	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	06/30/20	90,829	100,000	519
		6940528	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	06/30/20	95,441	100,000	4,005
		6940583	C	P069850	DMR-1751739	Comin /Riccardo	02/01/18	06/30/19	(8,223)	0	0
		6940588	C	P159900	PHY-1904160	Williams /Michael	03/01/19	03/31/24	142,246	152,000	8,452
		6940610	C	P159900	PHY-1801996	Conrad /Janet Marie	01/31/18	04/30/21	5,000	20,545	(4,277)
		6940612	C	P152000	CHE-1900109	Ceyer /Sylvia Teresse	04/01/19	04/30/22	83,920	483,000	378,335
		6940632	C	P153000	EAR-1836304	Pec /Matej	05/15/19	04/30/21	110,872	120,135	4,434
		6940644	C	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	04/01/21	294	5,900	5,448
		6940693	C	P154000	DMS-1901849	Xu /Chenyang	06/01/19	05/31/22	43,221	264,922	175,143
		6940694	C	P067952	CCF-1901292	Daskalakis /Konstantinos	07/01/19	06/30/23	39,353	149,158	109,805
		6940698	C	P417500	DMR-1911666	Todadri /Senthil	06/01/19	05/31/22	106,596	405,000	298,404
		6940699	C	P152000	CHE-1900358	Van Voorhis /Troy	06/01/19	05/31/22	155,957	340,000	142,188
		6940702	C	P402000	CHE-1845464	Koehler /Angela Nicole	05/01/19	04/30/24	110,014	799,997	669,287
		6940710	C	P061094	AGS-1914920	Barrett /Steven R. H.	06/01/19	05/31/22	129,829	464,371	329,453
		6940727	C	P154000	DMS-1906072	Miller /Haynes R	06/01/19	05/31/22	26,989	42,165	2,989
		6940735	C	P153000	AGS-1906719	Solomon /Susan	07/01/19	06/30/22	73,494	627,604	554,110
		6940746	C	P152000	DMR-1905164	Bawendi /Moungi G	07/01/19	06/30/22	322,124	450,000	127,876
		6940758	C	P159900	PHY-1912764	Conrad /Janet Marie	05/15/19	04/30/22	303,988	543,928	239,940
		6940759	C	P154000	DMS-1904997-001	Seidel /Paul Alfred	07/01/19	06/30/22	77,092	242,551	165,459
		6940823	C	P154000	DMS-1901642-001	Zhang /Wei	07/01/19	06/30/24	101,246	248,000	146,754
		6940824	C	P152000	DMR-1905164	Van Voorhis /Troy	07/01/19	06/30/22	820	30,000	29,180
		6940825	C	P152000	CHE-1900391	Danheiser /Rick Lane	08/01/19	07/31/22	54,993	485,000	430,007
		6940829	C	P066000	DMR-1911792	Ross /Caroline A	06/01/19	05/31/23	203,284	250,000	45,235
		6940850	C	P153000	AGS-1906768	Emanuel /Kerry Andrew	06/01/19	05/31/22	131,557	562,802	431,245
		6940853	C	P153000	EAR-1903544	McGee /William David	08/01/19	07/31/21	95,671	219,904	124,233
		6940861	C	P153000	ICER-1854929	Emanuel /Kerry Andrew	06/01/19	05/31/23	91,979	426,473	329,407

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		6940863	C	P061097	AGS-1850089	Cahoy /Kerri	06/01/19	05/31/22	127,861	343,174	215,313
		6940963	C	P154500	IIS-1929607	Fiete /Ila R	08/01/18	05/31/19	(40)	16,321	0
		6940985	C	P153000	AGS-1848863	Solomon /Susan	07/01/19	06/30/22	125,712	428,618	302,906
		6941033	C	P067952	CCF-1931307	Williams /Virginia	06/15/19	05/31/20	15,315	0	(15,315)
		6941091	C	P159900	PHY-1912836	Williams /Michael	04/01/19	06/30/22	143,438	300,000	156,562
		6941095	C	P152000	CHE-1900060	Radosevich /Alexander T.	07/01/19	06/30/22	130,980	450,000	319,020
		6941096	C	P154000	DMS-1855773	Lusztig /George	07/01/19	06/30/22	28,760	195,511	166,751
		6941097	C	P067952	CCF-1909429	Williams /Virginia	07/01/19	06/30/22	208,651	500,000	291,349
		6941108	C	P152000	CHE-1904867	Johnson /Jeremiah A.	07/01/19	06/30/22	115,067	457,814	342,747
		6941119	C	P067952	DRL-1906636	Abelson /Harold	07/01/19	06/30/22	15,530	549,041	533,511
		6941128	C	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	310,000	0	(310,000)
		6941147	C	P063007	CMMI-1917891	Ben-Akiva /Moshe E	07/01/19	06/30/21	179,564	400,000	220,436
		6941148	C	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	23,410	303,232	279,822
		6941149	C	P153000	EAR-1843686	Herring /Thomas A	07/15/19	06/30/24	40,932	200,674	159,742
		6941168	C	P153000	EAR-1925863	Jagoutz /Oliver E	08/01/19	07/31/22	48,052	443,175	395,123
		6941169	C	P159400	OCE-1923312	Woosley /Ryan J.	07/25/19	07/31/22	90,353	376,879	286,526
		6941174	C	P063007	EAR-1923491	Harvey /Charles F	07/15/19	06/30/22	33,874	346,371	312,497
		6941175	C	P159600	AST-1909831	Vogelsberger /Mark	09/01/19	08/31/22	0	51,603	51,603
		6941179	C	P093800	IIS-1917668	Reich /Blair Justin F	07/15/19	06/30/21	76,968	678,543	601,575
		6941190	C	P062000	CBET-1907716	Strano /Michael S.	07/15/19	06/30/22	122,591	300,000	177,409
		6941191	C	P153000	OCE-1924050	Boyle /Edward A	08/01/19	07/31/22	190,425	436,231	245,806
		6941199	C	P159900	PHY-1914418 000	Winslow /Lindley	08/01/19	07/31/22	4,472	318,947	314,475
		6941200	C	P065005	CMMI-1854833	Yang /Maria	08/01/19	07/31/22	103,094	342,228	239,134
		6941217	C	P062000	CHE-1904453	Strano /Michael S.	09/01/19	08/31/22	0	58,871	58,871
		6941226	C	P154000	DMS-1916120	Etingof /Pavel I	08/01/19	07/31/22	65,419	264,750	199,331
		6941227	C	P417500	PHY-1848247	Fakhri /Nikta	08/01/19	07/31/24	145,849	277,652	131,803
		6941238	C	P093800	DRL-1934126	Lee /Irene A.	11/01/19	12/31/22	179,245	1,514,746	1,335,501
		6941262	C	P153000	EAR-1836304	Pec /Matej	07/01/19	04/30/21	42,542	51,700	9,158
		6941268	C	P062000	CBET-1936696	Doyle /Patrick S	09/01/19	08/31/22	51,300	366,575	315,275
		6941269	C	P153000	EAR-1852946	Ono /Shuhei	08/01/19	07/31/21	18,860	274,475	255,615
		6941271	C	P067952	CNS-1938999	Sollins /Karen R	08/01/19	07/31/20	0	0	0
		6941273	C	P267100	PHY-1915218	Cappellaro /Paola	09/01/19	08/31/22	61,880	379,330	317,450
		6941276	C	P091020	SES-1919437	Olken /Benjamin	08/15/19	07/31/22	11,933	236,186	224,253
		6941279	C	P063007	CMMI-1933416	Juanes /Ruben	09/01/19	08/31/22	75,935	385,481	309,546
		6941281	C	P401710	AST-1909307	Lonsdale /Colin John	08/01/19	07/31/22	187,440	630,520	443,080
		6941282	C	P405032	IIS-1935450	Kim /Yoon Jeon	08/15/19	07/31/21	70,500	277,500	207,000
		6941304	C	P153000	EAR-1902179	Jagoutz /Oliver E	08/15/19	07/31/22	12,619	409,903	397,284
		6941305	C	P066000	CMMI-1922206	Tasan /Cemal	09/01/19	08/31/23	0	0	0
		6941306	C	P417500	DMR-1922311	Olivetti /Elsa A	10/01/19	09/30/23	40,964	789,324	748,360
		6941318	C	P154000	DMS-1905165	Mantoulidis /Christos A	06/01/19	07/02/22	44,143	114,757	70,614
		6941328	C	P063007	AGS-1936642	Heald /Colette L.	12/01/19	12/31/22	10,023	598,754	588,731
		6941345	C	P152000	CHE-1900109	Ceyer /Sylvia Teresse	04/01/19	04/30/22	11,262	17,000	5,738
		6941356	C	P267200	OMA-1936263	Oliver /William D	08/01/19	07/31/23	103,382	648,048	544,666
		6941357	C	P067952	CNS-1910676	Alizadeh Attar /Mohammadreza	10/01/19	09/30/22	224,821	500,000	275,179
		6941376	C	P401710	AST-1909307	Lonsdale /Colin John	08/01/19	07/31/22	16,510	70,316	53,806

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		6941378	C	P091000	SES-1848857	Caballero /Ricardo J	08/01/19	07/31/22	23,181	265,000	241,819
		6941382	C	P159400	DEB-1924148	Selin /Noelle E	09/01/19	02/28/23	29,269	748,435	719,166
		6941391	C	P154000	DMS-1940092	Sun /Nike	06/01/19	08/31/23	118,242	172,709	54,467
		6941392	C	P067952	CNS-1925609	Leiserson /Charles E	10/01/19	09/30/22	80,146	1,500,000	1,419,854
		6941393	C	P067952	CNS-1925583	Demaine /Erik D	07/15/19	03/31/21	108,721	100,000	(8,721)
		6941394	C	P267200	IIS-1926930	Medard /Muriel	09/01/19	08/31/21	3,720	24,000	20,280
		6941425	C	P067952	IIS-1900933	Kraska /Tim	09/01/19	08/31/23	116,491	600,180	483,689
		6941432	C	P401710	AGS-1933005	Volz /Ryan A	01/01/20	12/31/23	74,149	169,201	95,052
		6941444	C	P154000	DMS-1916120	Etingof /Pavel I	08/01/19	07/31/22	0	0	0
		6941475	C	P267111	ECCS-1933556	Englund /Dirk R.	09/15/19	08/31/22	33,481	232,500	199,019
		6941476	C	P267111	CNS-1946976	Englund /Dirk R.	10/01/19	09/30/21	7,119	200,000	192,881
		6941484	C	P401710	AST-1909097	Kauffmann /Jens	09/01/19	08/31/22	116,198	520,265	404,067
		6941527	C	P267111	CCF-1640012	Englund /Dirk R.	09/01/16	08/31/20	75,518	76,621	1,103
		6941534	C	P154500	BCS-1921501	McDermott /Joshua Hartman	09/01/19	08/31/22	61,594	500,298	438,704
		6941535	C	P267200	OMA-1936263	Oliver /William D	08/01/19	07/31/23	133,387	679,952	546,565
		6941545	C	P069850	OMA-1936263	Jarillo-Herrero /Pablo	08/01/19	07/31/23	4,914	664,000	659,086
		6941546	C	P068700	CCF-1937501	Karaman /Sertac	10/01/19	09/30/22	57,071	500,000	442,929
		6941548	C	P121175	IIS-1928472	Brynjolfsson /Erik	10/01/19	09/30/20	0	77,198	77,198
		6941553	C	P066000	CMMI-1922206	Tasan /Cemal	09/01/19	08/31/23	147,458	848,787	701,328
		6941554	C	P066000	CMMI-1922206	Lebeau /James M	09/01/19	08/31/23	73,844	243,575	169,731
		6941555	C	P066000	CMMI-1922206	Li /Ju	09/01/19	08/31/23	37,423	230,759	193,336
		6941583	C	P061094	OAC-1931391	Barrett /Steven R. H.	01/01/20	12/31/22	30,542	507,708	477,166
		6941588	C	P093800	CNS-1923130	Reich /Blair Justin F	09/15/19	08/31/21	45,039	299,249	254,210
		6941592	C	P067952	IIS-1900991	Satyanarayan /Arvind	09/01/19	09/30/24	35,054	550,000	514,946
		6941612	C	P153000	EAR-1905733	Andrade Lima /Eduardo	09/15/19	08/31/22	68,075	233,354	165,279
		6941619	C	P068700	CNS-1907905	Modiano /Eytan H	01/01/20	12/31/22	0	500,000	500,000
		6941621	C	P065005	EFMA-1935291	Zhao /Xuanhe	10/01/19	09/30/23	374,679	1,456,452	1,081,773
		6941637	C	P159900	OAC-1934700	Harris /Philip Coleman	09/01/19	08/31/21	59,434	135,076	75,642
		6941641	C	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/20	6,371	15,000	8,629
		6941653	C	P159600	OAC-1931469	Katsavounidis /Erotokritos	10/01/19	09/30/22	23,821	904,179	880,358
		6941654	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/21	0	82,847	82,847
		6941666	C	P165000	OAC-1940231	Bathe /Mark	10/01/19	09/30/21	87,218	163,945	76,727
		6941668	C	P065004	CNS-1932406	Annaswamy /Anuradha M	01/01/20	12/31/22	19,038	222,000	202,962
		6941682	C	P065005	EFMA-1935291	Roche /Ellen	10/01/19	09/30/23	76,904	543,548	466,644
		6941700	C	P067952	OAC-1947440	Kraska /Tim	09/01/19	08/31/20	126,999	270,912	143,913
		6941714	C	P159600	PHY-1707840	Mavalvala /Nergis	07/01/17	06/30/20	15,868	87,839	71,971
		6941715	C	P153000	EAR-1905733	Andrade Lima /Eduardo	09/15/19	09/14/21	477	180,220	179,744
		6941774	C	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	09/30/21	0	0	0
		6941830	C	CCF-1937501		Sze /Vivienne	10/01/19	09/30/22	23,442	500,000	476,558
		6941930	C	P091000	SES-2001208	Morris /Stephen	07/01/19	08/31/21	14,014	113,866	99,852
		6941970	C	P031000	CMMI-1854833	Mueller /Caitlin Tobin	08/01/19	07/31/22	86,166	334,024	247,858
		6941971	C	P065004	CMMI-1854833	Kim /Sang-Gook	08/01/19	07/31/22	5,208	342,354	337,146
		6942035	C	P401710	AGS-1762141	Erickson /Philip J	10/01/19	07/01/20	188,757	188,757	0
		6942079	C	P035000		D'Ignazio /Catherine S	01/01/20	08/31/21	0	30,259	30,259
		6942118	C	P068700	CNS-1837212	Karaman /Sertac	09/01/18	09/30/21	21,885	30,000	8,115

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		6942159	C	P061097	CNS-1350685	Karaman /Sertac	09/01/19	02/29/20	117,175	178,827	61,652
		6942161	C	P062000	CBET-1944007	Manthiram /Karthish	12/01/19	02/28/25	38,749	491,099	452,350
		6942212	C	P066000	CHE-1945500	Ortony /Julia H	01/01/20	12/31/24	69,223	131,646	62,423
		6942296	C	P060600	OAC-1934700	Han /Song	09/01/19	08/31/20	25,487	137,105	111,618
		6942297	C	P159600	OAC-1934700	Katsavounidis /Erotokritos	09/01/19	08/31/20	21,781	39,737	17,956
		6942302	C	P065004	CBET-2006299	Henry /Asegun S	09/01/19	02/28/21	63,023	152,832	89,809
		6942352	C	P154000	DMS-1944952	Collins /Tristan	09/01/20	08/31/25	0	63,580	63,580
		6942498	C	P068700	ECCS-2002570	Ilic /Marija	02/01/20	01/31/22	0	250,000	250,000
		6942502	C	P068700	CCF-1940205	Bresler /Guy	02/01/20	01/31/25	3,832	121,776	117,945
		6942555	C	P060600	CCF-1943349	Han /Song	06/15/20	05/31/25	0	100,000	100,000
		6942573	C	P063007	CMMI-1942016	Cohen /Tal	03/01/20	02/28/25	47,000	645,440	598,440
		6942596	C	P097000	SES-1947087	Scheffler /Robin W	03/01/20	02/28/23	20,610	375,799	355,189
		6942697	C	P063007	AGS-1945871	Williams /Earle R	03/01/20	02/28/23	37,426	805,788	768,362
		6942760	C	P154000	DMS-2002579	Kim /Ju-Lee	05/01/20	04/30/21	0	10,000	10,000
		6942761	C	P093200	SES-1941577	Jones /Graham M	03/15/20	02/28/21	0	18,825	18,825
		6942763	C	P401710	AST-1950348	Lonsdale /Colin John	04/01/20	03/31/23	0	70,098	70,098
		6942764	C	P097000	SES-1946917	Fischer /Michael M. J.	06/01/20	12/31/20	0	8,840	8,840
		6942808	C	P267111	ECCS-2000743	Berggren /Karl K	04/01/20	03/31/23	0	383,000	383,000
		6942811	C	P267111	ECCS-1933556	Englund /Dirk R.	09/15/19	02/28/22	0	16,000	16,000
		6942832	C	P066000	ECCS-1954606	Ross /Caroline A	05/01/20	04/30/23	0	225,000	225,000
		6942852	C	P039000	MCB-1943141	Esvelt /Kevin Michael	04/15/20	03/31/22	2,015	439,430	437,415
		6942876	C	P154000	DMS-2000192	Wan /Chen	06/01/20	05/31/23	16,111	51,936	35,825
		6942879	C	P067952	IIS-1942659	Satyanarayan /Arvind	04/01/20	03/31/25	0	100,957	100,957
		6942882	C	P062000	PHY-2026995	Chakraborty /Arup K	04/01/20	03/31/21	27,213	124,472	97,259
		6942883	C	P154000	CCF-1918421	Mossel /Elchanan	04/01/20	03/31/25	0	145,422	145,422
		6942885	C	P067952	CCF-1918839	Solar Lezama /Armando	04/01/20	03/31/25	0	1,263,434	1,263,434
		6942891	C	P068700	DMS-1953181	Rakhlin /Alexander	06/01/20	05/31/23	0	66,667	66,667
		6942897	C	P154000	DMS-1953946	Jiang /Zilin	06/01/20	05/31/23	16,721	48,505	31,784
		6942912	C	P067952	CNS-1955270	Devadas /Srinivas	10/01/20	09/30/24	0	75,000	75,000
		6942974	C	P154000	DMS-1955614	Hintz /Peter	07/01/20	06/30/23	0	111,470	111,470
		6942978	C	P267111	ECCS-1933556	Englund /Dirk R.	09/15/19	08/31/22	2,095	14,000	11,905
		6942979	C	P154000	DMS-1954455	Lawrie /Andrew W	07/01/20	06/30/23	0	87,637	87,637
		6942981	C	P093800	DRL-2022502	Lee /Irene A.	03/01/20	02/28/21	10,147	179,742	169,595
		6942984	C	P154000	DMS-1952531	Xu /Chenyang	06/01/20	05/31/23	18,326	102,796	84,470
		6943001	C	P154000	DMS-2001318	Etingof /Pavel I	09/01/20	08/31/25	0	274,683	274,683
		6943002	C	P063007	CBET-2026225	Bourouiba /Lydia	04/15/20	03/31/21	41,324	200,000	158,676
		6943072	C	P154000	2000726	Shen /Junliang	06/01/20	05/31/23	16,111	159,159	143,048
		6943074	C	P154000	DMS-1953945	Wang /Yilin	07/01/20	06/30/23	0	172,713	172,713
		6943094	C	P154000	DMS-2002778	Zhao /Yiming	06/01/20	05/31/23	16,222	159,159	142,937
		6943119	C	P154000	DMS-2005345	Minicozzi /William	08/01/20	07/31/23	0	387,015	387,015
		6943122	C	P039000	DRL-2022502	Breazeal /Cynthia Lynn	03/01/20	02/28/21	16,648	120,258	103,610
		6943124	C	P267500	CBET-2001231	Kim /Jeewan	05/15/20	04/30/23	0	450,000	450,000
		6943133	C	P062000	CHE-2029751	Olsen /Bradley D.	05/01/20	06/30/21	4,008	100,000	95,992
		6943137	C	P067952	CNS-2031115	Clark /David D	05/01/20	04/30/21	3,332	79,292	75,960
		6943143	C	P122070	SES-1944138	Palmer /Christopher John	05/01/20	04/30/25	0	80,000	80,000

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		6943144	C	P159900	OAC-2004645	Williams /Michael	07/01/20	06/30/23	0	310,000	310,000
		6943200	C	P153000	EAR-1948453	Pec /Matej	05/15/20	04/30/23	5,087	103,018	97,931
		6943246	C	P165000	CCF-1956054	Bathe /Mark	05/01/20	04/30/24	18,436	133,200	114,764
		6943256	C	P401710	AGS-1952737	Erickson /Phillip J	05/01/20	04/30/25	281,291	2,283,460	2,002,169
		6943292	C	P153000	OPP-1853918	Minchew /Brent Morton	06/01/20	05/31/23	0	521,780	521,780
		6943300	C	P067952	CCF-1918839	Barzilay /Regina	04/01/20	03/31/25	0	232,595	232,595
		6943301	C	P067952	CCF-1918839	Rinard /Martin C	04/01/20	03/31/25	0	229,732	229,732
		6943302	C	P067952	CCF-1918839	Carbin /Michael James	04/01/20	03/31/25	0	223,506	223,506
		6943303	C	P067952	CCF-1918839	Jaakkola /Tommi S	04/01/20	03/31/25	0	232,565	232,565
		6943314	C	P165000	PHY-2033046	Ribbeck /Katharina	06/01/20	06/30/21	810	169,367	168,557
		6943331	C	P267110	CNS-2002908	Zheng /Lizhong	08/01/20	07/31/23	0	269,854	269,854
		6943339	C	P063007	DEB-2024349	Saavedra Sanchez /Serguei	06/15/20	05/31/22	2,324	199,298	196,974
		6943357	C	P069850	DMR-1554891	Checkelsky /Joseph	06/01/20	01/31/21	3,322	25,490	22,168
		6943418	C	P153000	EAR-2022928	Pec /Matej	09/01/20	08/31/23	0	160,938	160,938
		6943419	C	P060600	IIS-2027266	Han /Song	06/15/20	05/31/21	0	125,000	125,000
		6943420	C	P152000	CHE-1955612	Cummins /Christopher C	05/03/20	07/31/23	7,629	495,000	487,371
		6943424	C	P062000	CHE-1955628	Manthiram /Karthish	05/01/20	07/31/23	1,478	470,000	468,522
		6943425	C	P065005	CBET-2027870	McKinley /Gareth H	09/01/20	08/31/23	0	247,455	247,455
		6943426	C	P068000	CBET-2019245	Bucci /Matteo	09/01/20	08/31/23	0	300,000	300,000
		6943472	C	P153000	EAR-2021677	Pec /Matej	07/01/20	06/30/23	0	277,084	277,084
		6943473	C	P067952	CCF-2003830	Lynch /Nancy Ann	07/01/20	06/30/23	0	349,407	349,407
		6943484	C	P165000	PHY-2033046	Ribbeck /Katharina	06/01/20	06/30/21	0	24,998	24,998
	005173 Arizona State University	6929035	C	P153000	14-374	Summons /Roger E	09/01/13	08/31/19	(454)	251,902	0
		6929039	C	P153000	14-374	Ono /Shuhei	09/01/13	08/31/19	5,989	218,272	0
		6929430	C	P153000	14-374	Rothman /Daniel H	09/01/13	08/31/19	(965)	208,219	0
		6935477	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/16	07/31/20	0	34,142	34,142
		6935478	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	05/03/16	07/31/17	0	245,232	(0)
		6936233	C	P066000	SUBAWARD NO: 17-096	Gradecak /Silvija	05/03/16	07/31/17	0	16,130	0
		6938642	C	P065004	17-096	Buonassisi /Anthony	05/03/16	07/31/18	(329)	157,996	0
		6939979	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/18	07/31/20	91,930	93,000	(37,797)
		6942199	C	P065004	ASUB00000443	Buonassisi /Anthony	08/30/19	07/31/21	42,417	230,000	187,583
		6942459	C	P417500	ASUB00000433	Comin /Riccardo	10/01/19	09/30/22	6,809	17,000	10,191
	005265 Boston College	6940458	C	P152000	5105841-1	Nelson /Keith Adam	01/01/19	12/31/19	312	27,718	(0)
	005274 Boston University	6938043	C	P153000	4500002547	Hill /Christopher N	07/01/17	10/31/21	44,544	199,108	95,977
		6940180	C	P061902	50206610-9500308659	Greenberg /Julie E	01/01/19	05/31/19	(124)	19,983	(0)
		6940191	C	P039070	4500002879	Boyden /Edward	10/01/18	09/30/21	70,223	300,000	17,657
	005381 Concord Consortium	6935372	C	P093800	303-01	Klopfer /Eric	10/01/16	09/30/19	0	56	56
		6935510	C	P093800	303-01	Klopfer /Eric	10/01/16	09/30/19	0	75,808	(0)
		6935511	C	P093800	303-01	Klopfer /Eric	10/01/17	09/30/19	4,299	113,256	0
	005408 California Institute of Technology	6939605	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	0	9,509,560	9,509,560
		6939606	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	289,465	0	(1,070,143)
		6939607	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	445,682	0	(622,910)
		6939608	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	2,907	0	(14,438)
		6939609	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	351,917	0	(848,621)
		6939610	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	83,027	0	(145,183)

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		6939611	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	212,845	0	(462,305)
		6939612	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	47,470	0	(98,040)
		6939613	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	546,488	0	(883,747)
		6939614	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	335,075	0	(478,460)
		6939615	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	100,535	0	(232,214)
		6939616	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	245,446	0	(409,408)
		6939617	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	412,230	0	(710,823)
		6939618	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	336,894	0	(609,674)
		6939619	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	23,233	0	(24,806)
		6939620	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	0	0	(0)
		6940129	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	01/31/21	979	11,000	6,165
		6940188	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	01/31/21	25,948	6,134	(29,506)
		6940911	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	01/31/21	26,128	64,000	37,872
		6941437	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	1,311,378	0	(1,311,378)
		6941438	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	280,555	0	(280,555)
005423 Carnegie-Mellon University		6930825	C	P067952	1122183-333057	O'Reilly /Una-May	01/01/15	12/31/20	6,592	448,716	5,304
		6933964	C	P068700	1122183-333057	Veeramachaneni /Kalyan	04/01/16	12/31/20	363,350	901,284	109,243
005508 Columbia University		6931173	C	P063007	1(GG008891) / PO G05323	Harvey /Charles F	09/01/14	08/31/20	112,825	240,200	(22,758)
		6935295	C	P153000	46(GG009393)	Ono /Shuhei	10/01/16	12/31/20	7,934	28,697	6,957
		6939147	C	P153000	46(GG009393)	Ono /Shuhei	10/01/16	02/29/20	0	3,994	0
005521 Cornell University		6937589	C	P067952	80497-10951	Demaine /Erik D	08/01/17	08/31/23	40,470	270,000	7
005690 Duke University		6939557	C	P062000	333-2439	Olsen /Bradley D.	09/01/18	08/31/20	156,824	444,687	278,139
		6939582	C	P159900	333-2457	Harrow /Aram W.	08/01/18	07/31/20	59,329	445,000	380,478
		6939634	C	P152000	333-2439	Johnson /Jeremiah A.	09/01/18	08/31/20	128,948	220,000	23,840
005731 Emory University		6937352	C	P152000	T847519	Movassaghi /Mohammad	09/01/17	08/31/18	0	135,999	(0)
		6939438	C	P152000	A022601	Movassaghi /Mohammad	09/01/18	08/31/19	80,775	150,000	0
		6941878	C	P152000	A221080	Movassaghi /Mohammad	09/01/19	08/31/20	84,815	149,987	65,172
005841 Florida A&M University		6937333	C	P062000	C-4979	Swan /James W	09/01/17	08/31/22	72,967	221,558	62,520
005848 National Radio Astronomy Observatory		6937959	C	P401710	PO 359999	Matthews /Lynn D.	01/01/18	09/30/20	318,473	954,082	270,054
		6941395	C	P401710	PO# 366694	Matthews /Lynn D.	08/01/19	09/24/19	11,301	11,301	0
005936 George Washington University		6933936	C	P035000	16-S08	Ryan /Brent	04/01/16	03/31/20	0	0	0
		6935441	C	P035000	16-S08	Ryan /Brent	04/01/16	03/31/17	0	3,120	0
		6935442	C	P035000	16-S08	Ryan /Brent	04/01/17	03/31/20	56,593	216,627	14,446
		6940635	C	P061090	18-S45	Newman /Dava J	09/01/18	05/31/20	68,563	135,271	353
006120 Harvard University		6929102	C	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/20	80,495	1,822,415	496,314
		6929127	C	P069850	123826-5056263	Ashoori /Raymond	11/01/13	09/30/16	0	231,241	0
		6929128	C	P069850	123826-5056263	Moodera /Jagadeesh	11/01/13	09/30/16	0	251,301	0
		6929129	C	P069850	123826-5056263	Kong /Jing	11/01/13	09/30/16	0	246,492	(0)
		6929130	C	P069850	123826-5056263	Gedik /Nuh	11/01/13	09/30/16	0	253,862	0
		6929131	C	P069850	123826-5056263	Palacios /Tomas	11/01/13	09/30/16	0	239,945	0
		6929132	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	11/01/13	09/30/16	0	327,713	0
		6929133	C	P069850	123826-5056263	Levitov /Leonid	11/01/13	09/30/16	0	115,796	(0)
		6929134	C	P069850	123826-5056263	Fu /Liang	11/01/13	09/30/16	0	163,755	(0)
		6930914	C	P069850	123826-5056263	Checkelsky /Joseph	10/01/14	06/15/17	0	122,567	0
		6932201	C	P069850	123826-5056263	Ashoori /Raymond	06/19/15	09/30/16	0	12,827	0

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		6932524	C	P069800	123826-5056263	Checkelsky /Joseph	08/18/15	09/30/16	0	18,376	0
		6932660	C	P065004	123937-5096527	Kolle /Mathias	09/01/15	08/31/19	31,374	376,768	277
		6934913	C	P069850	123826-5056263	Englund /Dirk R.	10/01/13	09/30/18	0	218,947	(0)
		6934914	C	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	0	82,866	(0)
		6934915	C	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	134,203	0
		6934916	C	P069850	123826-5056263	Englund /Dirk R.	10/01/13	09/30/18	0	11,873	(0)
		6934917	C	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	0	35,694	0
		6934918	C	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	41,498	0
		6934920	C	P069850	123826-5056263	Moodera /Jagadeesh	10/01/13	09/30/18	0	61,399	0
		6934921	C	P069850	123826-5056263	Checkelsky /Joseph	10/01/13	09/30/18	0	187,275	(0)
		6934922	C	P069850	123826-5056263	Fu /Liang	10/01/13	09/30/18	0	180,537	(0)
		6934923	C	P069850	123826-5056263	Gedik /Nuh	10/01/13	09/30/18	0	206,955	0
		6934924	C	P069850	123826-5056263	Moodera /Jagadeesh	10/01/13	09/30/18	0	31,762	(0)
		6934925	C	P069850	123826-5056263	Checkelsky /Joseph	10/01/13	09/30/18	0	123,069	0
		6934926	C	P069850	123826-5056263	Fu /Liang	10/01/13	09/30/18	0	3,318	0
		6934927	C	P069850	123826-5056263	Gedik /Nuh	10/01/13	09/30/18	0	10,393	0
		6934929	C	P069850	123826-5056263	Moodera /Jagadeesh	10/01/13	09/30/18	0	130,806	(0)
		6934930	C	P069850	123826-5056263	Levitov /Leonid	10/01/13	09/30/18	0	163,955	(0)
		6934932	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	0	194,587	0
		6934933	C	P069850	123826-5056263	Moodera /Jagadeesh	10/01/13	09/30/18	0	28,091	(0)
		6934934	C	P069850	123826-5056263	Levitov /Leonid	10/01/13	09/30/18	0	16,578	0
		6934936	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	0	118,414	(0)
		6934938	C	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	0	91,928	0
		6934940	C	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/18	0	158,991	0
		6934941	C	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	97,951	0
		6934942	C	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	0	15,164	(0)
		6934943	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	0	7,488	0
		6934944	C	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/18	0	103,601	(0)
		6935063	C	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	3,131	(0)
		6939583	C	P069850	123826-5056263	Ashoori /Raymond	10/01/18	09/30/20	63,796	278,566	110,477
		6939584	C	P069850	123826-5056263	Checkelsky /Joseph	10/01/18	09/30/20	144,744	266,660	28,355
		6939585	C	P069850	123826-5056263	Comin /Riccardo	10/01/18	09/30/20	116,848	167,930	4,191
		6939586	C	P069850	123826-5056263	Englund /Dirk R.	10/01/18	09/30/20	102,647	207,550	36,868
		6939587	C	P069850	123826-5056263	Fu /Liang	10/01/18	09/30/20	69,883	160,945	659
		6939588	C	P069850	123826-5056263	Gedik /Nuh	10/01/18	09/30/20	132,456	174,173	(38,820)
		6939589	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/18	09/30/20	192,778	290,810	22,994
		6939590	C	P069850	123826-5056263	Kong /Jing	10/01/18	09/30/20	113,005	208,053	12,428
		6939591	C	P069850	123826-5056263	Levitov /Leonid	10/01/18	09/30/20	115,322	164,267	(21,986)
		6939592	C	P069850	123826-5056263	Moodera /Jagadeesh	10/01/18	09/30/20	149,297	206,390	10,213
		6939593	C	P069850	123826-5056263	Palacios /Tomas	10/01/18	09/30/20	140,863	269,255	23,419
		6939677	C	P066000	BA DTD. 10/18/2018	Anikeeva /Polina Olegovna	09/01/18	08/31/20	62,441	128,456	6,988
		6940742	C	P158000	BA DTD. 06/03/2019	Chuang /Isaac	01/16/19	05/31/19	(0)	14,164	0
		6940826	C	P267111	124127-5110072	Berggren /Karl K	10/01/18	09/30/20	2,873	0	(2,873)
		6940827	C	P267111	124127-5110072	Berggren /Karl K	10/01/18	09/30/20	83,006	239,250	156,244
		6940828	C	P267200	124127-5110072	Oliver /William D	10/01/18	09/30/20	177,356	219,250	41,894

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		6941558	C	P064000	LU MI-POLS	Shavit /Nir N.	07/01/19	06/30/20	32,947	35,096	2,149
		6941998	C	P069850	123826-5056263	Ju /Long	10/01/19	09/30/20	82,602	55,000	(27,602)
		6942087	C	P069850	123826-5056263	Checkelsky /Joseph	11/01/19	08/31/20	3,622	35,537	31,915
		6942548	C	P065004	124189-5112398	Kolle /Mathias	10/01/19	09/30/20	42,826	84,050	41,224
		6942678	C	P152000	AGMT DATED 2/25/2020	Cummins /Christopher C	02/04/20	02/03/21	3,891	9,529	5,638
		6943091	C	P069850	123826-5056263	Gedik /Nuh	04/22/20	08/30/20	9,955	30,000	20,045
		6943498	C	P069850	123826-5056263	Comin /Riccardo	06/01/20	09/30/20	0	7,070	7,070
	006207 University of California/Davis	6936421	C	P067952	201601893-02	Fisher /John W	09/15/16	08/31/19	27,972	154,948	4,203
		6941718	C	P067952	A19-3499-S001	Karger /David R	10/01/19	09/30/22	44,680	539,215	494,535
	006805 NEROC	6926730	C	P401710	AGS-1229036	Lonsdale /Colin John	09/01/12	09/30/19	(8,012)	1,546,944	(0)
		6937109	C	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/21	103,611	204,092	10,005
		6937604	C	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/20	8,172	146,976	114,341
		6937605	C	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/20	58,295	425,679	0
		6940071	C	P401710	AGS-1726377	Coster /Anthea J	12/01/18	08/31/20	13,096	21,541	0
	006829 New York Unive	6937547	C	P093800	F0394-03	Klopfer /Eric	08/01/17	07/31/20	99,129	449,713	65,581
	006831 New York University Medical Center	6932196	C	P267111	PO #M160000461 - #14-A0	Daniel /Luca	02/15/15	01/31/21	0	39,274	0
		6934052	C	P267111	14-A0-00-003420-01	Daniel /Luca	02/01/16	01/31/17	0	10,870	0
		6935763	C	P267111	PO# M160000461 / 14-A0-0	Daniel /Luca	02/01/16	01/31/18	0	35,533	0
		6938890	C	P267111	PO #M160000461 - #14-A0	Daniel /Luca	02/01/18	01/31/19	0	31,499	0
		6940520	C	P267111	PO #M160000461 - #14-A0	Daniel /Luca	02/01/19	01/31/21	32,364	40,000	5,580
	007150 Princeton University	6933021	C	P153000	SUB0000092	Emanuel /Kerry Andrew	09/01/15	08/31/20	356	356,735	(87)
		6935980	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	247,220	1,046,924	203,455
		6936082	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	52,663	206,195	31,996
		6936083	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	131,128	475,000	5,982
		6936204	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	40,626	250,033	56,255
		6936205	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	0	8,800	7,018
		6936206	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	0	11,440	5,746
		6936207	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	35,959	222,642	54,533
		6939873	C	P159900	SUB0000276	Williams /Michael	09/01/18	08/31/20	201,615	300,000	19,834
	007180 Purdue Univers	6922872	C	P067952	SUBAWARD #10000686-0	Shor /Peter Williston	08/01/10	07/31/21	0	0	0
		6922873	C	P067952	SUBAWARD #10000686-0	Lynch /Nancy Ann	08/01/10	07/31/21	124,208	1,067,501	15,228
		6922874	C	P067952	SUBAWARD #10000686-0	Rivest /Ronald L	08/01/10	07/31/21	144,390	1,107,923	73,925
		6922875	C	P067952	SUBAWARD #10000686-0	Aaronson /Scott	08/01/10	01/31/14	0	388,049	0
		6922876	C	P067952	SUBAWARD #10000686-0	Shor /Peter Williston	08/01/10	07/31/21	80,716	1,148,802	101,659
		6924018	C	P067952	SUBAWARD #10000686-0	Sudan /Madhu	08/01/10	01/31/16	0	557,226	0
		6925962	C	P068700	SUBAWARD #10000686-0	Polyanskiy /Yury	08/01/10	07/31/21	156,732	800,000	146,865
	007264 Research Foun	6933810	C	P267111	SUBAWARD 40F23-A	Englund /Dirk R.	08/01/15	07/31/19	8,437	450,081	0
	007334 Santa Fe Institu	6935014	C	P065005	SF120161003	Lloyd /Seth	09/01/16	12/31/19	17,964	223,769	(0)
	007360 Smithsonian Ins	6933768	C	P401710	SV6-86002	Fish /Vincent L.	01/15/15	06/30/21	562,712	2,928,546	341,000
	007372 Southwest Res	6937788	C	P153000	SUBAWARD J99093LW	Soderblom /Jason	10/01/16	11/06/20	2,246	57,935	1,794
	007380 Stanford Univer	6937285	C	P152000	61602537-126273	Schlau-Cohen /Gabriela S	09/01/17	08/31/20	131,496	255,000	32,583
	007485 Tufts University	6941932	C	P095500	SF0069/PO EP0190879	Stewart /Charles H	09/01/19	05/31/21	111,535	149,827	38,292
	007529 University of Ca	6938664	C	P153000	2018-3564	Minchow /Brent Morton	04/01/18	01/31/23	109,176	199,133	1,116
	007534 University of California-San Diego	6935212	C	P267500	80302854	Bulovic /Vladimir	10/01/16	09/30/19	62,592	506,180	10,538
		6937009	C	P067952	SUB # 89409643 PO#S900	Shah /Julie A	01/15/17	08/31/20	104,350	309,788	74,627

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007545 University of Illinois-Urbana Champaign		6939284	C	P067952	SUBAWARD AGREEMENT	Clark /David D	09/01/18	08/31/20	33,502	86,879	24,227
		6941882	C	P067952	SUB 123526011 PO S9002	Clark /David D	09/01/19	05/31/21	68,486	78,000	9,514
	007545 University of Illinois-Urbana Champaign	6931375	C	P159900	2014-05135-01	Redwine /Robert P	10/27/14	05/31/19	(6,070)	582,000	(686)
		6942057	C	P159900	092992-17667	Kelsey /James E	08/05/19	05/31/21	97,418	369,000	271,582
	007560 University of Illinois	6933103	C	P152000	2015-04326-01-00	Nelson /Keith Adam	08/01/15	07/31/19	2,983	420,541	0
	007616 University of Southern California	6937618	C	P153000	91255352 / PO10614338	Herring /Thomas A	05/01/17	01/31/20	0	6	6
		6937619	C	P153000	91255352	Herring /Thomas A	05/01/17	04/30/18	0	29,999	(0)
		6940865	C	P153000	91255352 / PO10614338	Nakata /Norimitsu	02/01/19	01/31/20	29,995	29,995	(0)
	007619 University of Rhode Island	6940101	C	P093800	12202018/0007337	Adams /Allan Wilfred	11/01/18	10/31/21	117,023	113,355	(6,895)
		6941838	C	P093800	12202018/0007337	Adams /Allan Wilfred	11/01/19	10/31/21	87,789	86,874	(915)
	007630 University of Pennsylvania	6937096	C	P093800	PO4366917	Klopfer /Eric	09/01/17	08/31/20	96,602	578,827	(3,000)
	007633 University of Maryland	6941887	C	P267111	81350-Z3438201	Englund /Dirk R.	09/01/19	08/31/23	3,136	645,458	642,322
		6942164	C	P267110	81350-Z3438201	Lloyd /Seth	09/01/19	08/31/23	4,250	350,000	345,750
	007637 University of Tennessee	6939541	C	P063007	UTA18-001151	Polz /Martin F	09/01/18	08/31/21	206,734	480,338	95,008
	007639 University of Washington	6924726	C	P267500	UWSC6200 (BPO39607)	Anikeeva /Polina Olegovna	07/15/11	07/31/21	0	186,422	(368)
		6925083	C	P267110	724454	Voldman /Joel	07/15/11	07/31/16	0	154,352	0
		6925084	C	P267300	724454	Lang /Jeffrey H	07/15/11	07/31/17	0	84,747	0
		6925085	C	P267110	724454	Voldman /Joel	07/15/11	07/31/17	0	237,652	(0)
		6925086	C	P267110	724454	Crayton /DiOnetta Jones	07/15/11	07/31/17	0	135,562	0
		6925087	C	P267300	724454	Lang /Jeffrey H	07/15/11	07/31/16	0	552,740	(0)
		6925088	C	P067952	724454	Tedrake /Russell L	07/15/11	07/31/16	0	525,679	0
		6925089	C	P267110	724454	Voldman /Joel	07/15/11	07/31/16	0	544,194	(0)
		6925090	C	P267111	724454	Weinstein /Dana	07/15/11	07/31/14	0	350,128	0
		6926679	C	P267110	724454	Anikeeva /Polina Olegovna	07/15/11	07/31/16	0	434,685	(0)
		6929618	C	P400600	724454	Jazayeri /Mehrdad	01/01/14	07/31/17	0	194,492	(0)
		6931384	C	P267110	724454	Voldman /Joel	07/01/14	07/31/17	0	19,129	(0)
		6933463	C	P267110	UWSC6200 (BPO4405)	Voldman /Joel	08/01/15	07/31/17	0	24,396	0
		6934495	C	P267500	UWSC6200 (BPO39607)	Anikeeva /Polina Olegovna	08/01/16	07/31/21	10,075	129,411	56,253
		6934496	C	P267500	UWSC6200 (BPO4405)	Lang /Jeffrey H	08/01/16	07/31/18	0	63,256	(0)
		6934497	C	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/21	111,171	602,085	45,754
		6934498	C	P400600	UWSC6200 (BPO4405)	Jazayeri /Mehrdad	08/01/16	07/31/21	96,770	481,018	30,048
		6934795	C	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/21	0	122,633	(4,449)
		6934796	C	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/21	723	39,980	10,020
		6935455	C	P267110	UWSC6200 (BPO4405)	Crayton /DiOnetta Jones	08/01/16	07/31/21	0	16,580	11,864
		6936115	C	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/18	0	32,166	0
		6937162	C	P267110	UWSC6200 (BPO39607)	Voldman /Joel	08/01/16	07/31/17	0	16,580	0
		6939078	C	P400600	UWSC6200 (BPO4405)	Graybiel /Ann M	08/01/17	07/31/21	116,407	275,106	18,432
	007673 UNAVCO	6939638	C	P153000	S18-EAR1724794-S2	Herring /Thomas A	10/01/18	09/30/20	140,976	232,301	33,325
	007674 University of Maryland	6937426	C	P152000	18-010023 A	Swager /Timothy M	09/01/17	08/31/20	36,794	300,000	1,104
	007676 University of California - Berkeley	6923266	C	P060600	00007444	Bulovic /Vladimir	06/24/10	08/31/20	0	210,486	210,486
		6923299	C	P060600	00007444	Antoniadis /Dimitri A	06/24/10	02/28/19	0	1,047,240	(0)
		6923300	C	P060600	00007444	Bulovic /Vladimir	06/24/10	08/31/20	6,394	367,814	184,373
		6923301	C	P060600	00007444	Antoniadis /Dimitri A	06/24/10	08/31/20	0	300,000	1,967
		6923302	C	P060600	00007444	Bulovic /Vladimir	06/24/10	08/31/20	186,511	1,563,094	56,384
		6923303	C	P060600	00007444	del Alamo /Jesus A	06/24/10	08/31/20	109,108	1,563,094	153,725

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		6923304	C	P066000	00007444	Fitzgerald /Eugene A	06/24/10	08/31/20	243,714	1,563,094	126,478
		6923305	C	P060600	00007444	Hoyt /Judy L	06/24/10	02/28/18	0	951,321	(0)
		6923306	C	P267500	00007444	Lang /Jeffrey H	06/24/10	08/31/20	167,046	1,253,498	55,877
		6925775	C	P152000	00007444	Swager /Timothy M	06/24/10	08/31/20	167,044	1,020,630	119,662
		6926945	C	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	28,802	0
		6926946	C	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	51,102	(0)
		6928812	C	P060600	00007444	del Alamo /Jesus A	06/24/10	02/29/20	0	20,980	0
		6929156	C	P062000	SUBAWARD 00008317/MC	Prather /Kristala L	09/15/13	08/31/14	0	98,765	0
		6929157	C	P069200	SUBAWARD 00008317/MC	Weiss /Ron	09/15/13	08/31/14	0	98,710	(0)
		6929285	C	P062000	SUBAWARD 00008317/MC	Prather /Kristala L	09/15/13	08/31/20	3,095	6,364	678
		6930836	C	P062000	SUBAWARD 00008317/MC	Prather /Kristala L	09/15/13	02/29/16	0	101,322	(0)
		6930837	C	P069200	SUBAWARD 00008317/MC	Weiss /Ron	09/15/13	02/29/16	0	101,354	0
		6931778	C	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	8,794	0
		6933483	C	P062000	SUBAWARD 00008317/MC	Prather /Kristala L	09/15/13	08/31/20	86,601	353,644	21,625
		6933515	C	P069201	SUBAWARD 00008317/MC	Weiss /Ron	09/15/13	12/31/17	0	201,417	0
		6934142	C	P267100	00007444	Kong /Jing	06/24/10	08/31/20	140,857	636,773	9,102
		6935339	C	P159600	00009391	Hewitt /Jacqueline N	09/15/16	08/31/20	231,834	471,977	(3,649)
	007680 University of Rochester	6932946	C	P153000	416750G	Follows /Michael J	10/01/15	09/30/20	117,361	269,552	(45,383)
		6935164	C	P069850	416929G/GR510498	Michel /Jurgen	09/01/16	08/31/20	133,513	400,000	89,584
	007794 Washington State	6937644	C	P069201	132249-G003779	Voigt /Christopher A.	06/01/17	08/31/21	95,235	395,298	23,952
	007845 Yale University	6932587	C	P267100	C16D12238 (D02172)	Kong /Jing	08/01/15	07/31/19	2,421	400,000	0
	010356 Montana State	6929216	C	P069201	G111-14-W4576	Voigt /Christopher A.	09/01/13	08/31/16	0	614,001	(109,691)
	011125 Kalion, Inc.	6939575	C	P062000	STTR DTD. MAY 1, 2018	Prather /Kristala L	07/01/18	12/31/19	55,361	74,973	0
	011681 Kansas State U	6937873	C	P066000	A00-0361-S002	Olivetti /Elsa A	01/01/18	12/31/20	8,907	241,703	168,278
	100986 Appia LLC	6940117	C	P062000	SBIR RESEARCH AGREEMENT	Olsen /Bradley D.	09/02/18	06/30/19	(93)	75,000	0
	101870 University of California, Los Angeles	6937849	C	P267111	0160 G VB426	Wong /Ngai Chuen	10/01/17	09/30/20	155,711	487,500	88,957
		6939941	C	P093800	0285 G WA158	Parks /Lisa	08/15/18	07/31/20	72,697	95,044	13,047
	102236 The Smithsonian	6942136	C	P401710	SV0-09003	Fish /Vincent L.	10/01/19	12/31/20	235,972	768,588	532,616
	104616 Virtual Collabor	6940411	C	P067952	AGMT DTD 2/1/2019	Winston /Patrick H	02/01/19	08/30/19	15,564	72,698	(0)
	105499 Internet2	6940634	C	P159900	1042-B	Harris /Philip Coleman	04/15/19	04/14/20	80,943	81,000	57
	105632 University of Oklahoma	6940566	C	P153000	2019-46	Nakata /Norimitsu	01/01/19	03/31/20	58,130	93,894	1,771
	Total by Primary Sponsor								81,390,036	420,223,584	110,524,483
000600 U.S. Department of Agriculture	000600 U.S. Department of Agriculture	6936054	C	P063007	59-8042-7-007	Bourouiba /Lydia	07/01/16	07/31/21	53,540	459,999	110,844
	Total by Primary Sponsor								53,540	459,999	110,844
000607 U.S. Department of Commerce-NIST (Natl Inst of Stand & Tech)	000607 U.S. Department of Commerce-NIST (Natl Inst of Stand & Tech)	6936522	C	P068700	70NANB17H177	Win /Moe Z	06/01/17	05/31/21	244,052	799,000	109,482
		6939540	C	P039020	70NANB18H211	Gershenfeld /Neil A	10/01/18	12/31/19	67,832	197,228	0
		6943145	C	P039020	70NANB20H014	Gershenfeld /Neil A	04/01/20	03/31/23	21,731	210,000	188,269
	000708 U Delaware: Natl	6937002	C	P069400	AGREEMENT EFFECTIVE	Han /Jongyoon	05/04/17	05/16/22	0	18,351	18,351
	009001 Lincoln Laboratory	6937869	C	P063007	PO# 7000406016	Amin /Saurabh	09/01/17	05/31/19	(2,629)	220,000	(0)
	104812 Total Technology	6939456	C	P401823	PO# 18-076	Murray /Fiona E	07/01/18	06/30/19	68,835	139,615	(0)
	Total by Primary Sponsor								399,821	1,584,194	316,101

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000610 U.S. Department of Commerce - NOAA	000610 U.S. Department of Commerce - NOAA	6929300	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/19	0	469,408	456,297
		6929301	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/19	581	1,511,112	0
		6929302	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	29,440	0
		6929303	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	223,969	0
		6929304	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	474,599	0
		6929305	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/19	16,924	907,382	(0)
		6929306	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	281,476	0
		6929307	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	188,258	(0)
		6929308	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	45,881	0
		6929309	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	542,020	0
		6929311	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	149,998	0
		6929312	C	P266300	NA14OAR4170077	Triantafyllou /Michael S	02/01/14	08/31/18	0	292,528	0
		6929314	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	73,023	0
		6929315	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	74,347	0
		6929316	C	P266300	NA14OAR4170077	Lermusiaux /Pierre	02/01/14	01/31/17	0	99,998	0
		6929317	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	125,507	0
		6929318	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	190,151	0
		6929319	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	175,000	0
		6929320	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	164,325	0
		6929321	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	84,665	0
		6929322	C	P266300	NA14OAR4170077	Downes /Timothy R	02/01/14	08/31/18	0	28,105	(0)
		6929749	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	2,916	(0)
		6929750	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	5,077	0
		6930191	C	P266300	NA14OAR4170077	Triantafyllou /Michael S	05/01/14	08/31/19	1,185	42,406	0
		6931357	C	P266300	NA14OAR4170077	Cooke /Chathan M	01/05/15	05/31/17	0	12,241	0
		6931444	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	01/31/18	0	149,569	0
		6931445	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	07/31/17	0	150,001	0
		6931446	C	P266300	NA14OAR4170077	Cooke /Chathan M	02/01/15	05/31/17	0	128,181	0
		6931447	C	P266300	NA14OAR4170077	Fang /Xuanlai	02/01/15	01/31/17	0	149,279	(0)
		6931448	C	P266300	NA14OAR4170077	Hemond /Harold F	02/01/15	01/31/18	0	137,671	(0)
		6931449	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	08/31/18	0	150,000	0
		6931450	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	01/31/18	0	44,173	0
		6932301	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/18	0	199,996	0
		6932302	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/18	6,764	150,001	0
		6932320	C	P266300	NA14OAR4170077	Hemond /Harold F	02/01/15	01/31/18	0	12,084	0
		6933427	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	0	197,946	0
		6933428	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	0	195,623	0
		6933429	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	8,451	198,884	(0)
		6934068	C	P063007	NA16OAR4310112	Kroll /Jesse	07/01/16	06/30/21	24,052	278,339	51,408
		6934154	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	01/31/17	0	9,848	0
		6934225	C	P063007	NA16OAR4310112	Heald /Colette L.	07/01/16	06/30/21	115,855	246,883	20
		6934368	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	01/31/17	0	4,183	0
		6934381	C	P153000	NA16OAR4310177	Marshall /John C	07/01/16	06/30/21	127,114	576,584	168,611
		6934971	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	09/01/16	01/31/18	0	2,162	(0)
		6935570	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	03/01/16	08/31/17	0	5,017	0

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		6935634	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	11/01/16	10/31/17	0	968	0
		6935744	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/17	08/31/18	0	327,326	(0)
		6935745	C	P266300	NA14OAR4170077	Swager /Timothy M	02/01/17	08/31/18	0	49,413	0
		6935746	C	P266300	NA14OAR4170077	Triantafyllou /Michael S	02/01/17	08/31/18	0	91,824	0
		6935811	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/17	08/31/18	0	12,774	0
		6936132	C	P063007	NA16OAR4310112	Kroll /Jesse	08/01/16	07/31/17	0	6,235	0
		6936755	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	07/01/17	08/31/18	0	3,861	0
		6937000	C	P266300	NA14OAR4170077	Triantafyllou /Michael S	09/01/17	08/31/18	0	3,936	0
		6937018	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	08/01/17	01/31/19	0	8,471	0
		6937083	C	P266300	NA17OAR4170295	Triantafyllou /Michael S	09/01/17	08/31/20	125,138	312,081	54,521
		6937540	C	P266300	NA14OAR4170077	Liu /Yuming	10/01/17	11/30/18	0	10,000	0
		6938055	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	0	13,077	13,077
		6938074	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	232,917	1,152,141	217,368
		6938075	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	0	334,464	322,801
		6938076	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	44,717	651,126	197,410
		6938077	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	(42,467)	233,431	99,251
		6938078	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	96,017	322,635	70,245
		6938079	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	(33,195)	149,103	21,328
		6938080	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	199,637	454,965	83,349
		6938081	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	139,243	298,172	61,529
		6938082	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	36,294	75,000	32,441
		6938083	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	110,544	194,161	54,849
		6938084	C	P266300	NA18OAR4170105	Swager /Timothy M	02/01/18	07/31/19	0	99,410	0
		6938085	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	83,531	164,999	79,161
		6938086	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	45,327	179,454	99,417
		6938087	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	06/30/20	23,898	90,110	373
		6938088	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	62,397	98,410	16,227
		6938089	C	P266300	NA18OAR4170105	Cooke /Chathan M	02/01/18	01/31/21	45,381	167,660	40,367
		6938104	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	740	18,249	15,363
		6938615	C	P266300	NA18OAR4170105	Gershenfeld /Neil A	02/01/18	01/31/20	1,958	9,900	761
		6938755	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	02/01/18	07/31/20	89,723	342,730	3,186
		6939220	C	P063007	NA18OAR4310110	Kroll /Jesse	07/01/18	06/30/21	147,920	259,145	74,592
		6939408	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	07/01/18	01/31/20	30,916	123,085	0
		6939601	C	P153000	NA18NWS4680058	Emanuel /Kerry Andrew	09/01/18	08/31/21	128,189	339,571	53,754
		6939984	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	07/01/18	07/31/20	4,753	7,500	(113)
		6940016	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	07/01/18	06/30/20	1,273	5,000	(0)
		6940343	C	P063007	NA18OAR4310110	Heald /Colette L.	07/01/18	06/30/20	77,421	162,135	61,222
		6940572	C	P266300	NA18OAR4170105	Chryssostomidis /Chryssostomo	02/01/19	06/30/20	35,953	53,879	7,398
		6940986	C	P266300	NA18OAR4170105	Lermusiaux /Pierre	02/01/19	01/31/21	78,552	200,000	121,448
		6940987	C	P266300	NA18OAR4170105	Liu /Yuming	02/01/19	01/31/21	124,114	199,857	75,743
		6940988	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	02/01/19	01/31/21	57,600	193,605	136,005
		6940989	C	P266300	NA18OAR4170105	Yue /Dick K. P.	02/01/19	01/31/21	86,574	188,603	102,029
		6941384	C	P266300	NA18OAR4170105	Pederson /Judith	08/01/19	01/31/20	2,625	2,625	(0)
		6941385	C	P266300	NA18OAR4170105	Liu /Yuming	09/01/19	08/31/21	7,200	94,689	87,489
		6941572	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	2,633	39,999	37,366

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		6941574	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	34,019	100,000	65,981
		6941728	C	P063007	NA19OAR4310180	Heald /Colette L.	09/01/19	08/31/20	21,631	236,073	214,442
		6942224	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	09/01/19	01/31/21	478	8,474	7,996
		6942786	C	P266300	NA18OAR4170105	Benjamin /Michael R	02/01/20	01/31/21	0	90,000	90,000
		6942787	C	P266300	NA18OAR4170105	Fink /Yoel	02/01/20	01/31/21	27,960	90,000	62,040
		6942788	C	P266300	NA18OAR4170105	Techet /Alexandra H	02/01/20	01/31/21	0	95,000	95,000
		6942789	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/20	01/31/21	0	90,000	90,000
		6942790	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/20	01/31/21	0	94,773	94,773
		6942866	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	03/01/20	08/31/20	2,401	6,000	3,599
		6942918	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	03/01/20	08/01/20	0	0	0
		6943107	C	P266300	NA18OAR4170105	Yue /Dick K. P.	02/01/20	01/31/21	0	10,000	10,000
	002039 Aerodyne Research Incorporated	6939657	C	P063007	ARI 11436-1	Kroll /Jesse	07/17/18	01/16/19	(71)	39,410	0
		6941818	C	P063007	ARI 11519-1	Kroll /Jesse	06/27/19	06/23/21	0	49,169	49,169
	006875 Northeastern U	6935162	C	P266300	599807-78050	Chrysostomidis /Chrysostomo	02/01/16	01/31/18	5,561	27,841	(0)
Total by Primary Sponsor									2,440,427	17,862,774	3,699,293
000618 U.S. Department of Education	000618 U.S. Departmer	6932945	C	P061093	P116F150045	Willcox /Karen E	10/01/15	09/30/20	500,171	2,891,882	1,080,846
	Total by Primary Sponsor								500,171	2,891,882	1,080,846
000626 U.S. Federal Emergency Management Agency	006725 National Acade	6939596	C	P069500	2000009447	Sheffi /Yosef	06/24/18	05/31/20	271,384	516,717	(377)
	009001 Lincoln Laboratory	6937248	C	P069500	PO# 7000397469	Sheffi /Yosef	07/01/17	10/31/19	1,547	305,466	0
		6942362	C	P031000	PO# 7000398589 / LETTEF	Mazereeuw /Miho	11/01/19	08/31/20	384,832	1,544,700	1,159,868
	011465 CNA	6942074	C	P069500	19-MIT-9-1478-MSTR	Sheffi /Yosef	07/31/19	09/27/23	0	122,760	122,760
		6942075	C	P069500	PO-0023764/PROJECT NC	Sheffi /Yosef	07/31/19	08/06/19	14,073	14,073	(0)
		6942076	C	P069500	PO-0023790/PROJECT NC	Sheffi /Yosef	08/28/19	09/11/19	27,984	27,984	0
		6942077	C	P069500	PO-0023838/PROJECT NC	Sheffi /Yosef	09/17/19	12/16/19	8,337	8,337	0
		6942078	C	P069500	19-MIT-9-1478-MSTR	Sheffi /Yosef	09/17/19	12/16/19	8,428	8,428	(0)
		6942846	C	P069500	PO-0024040/1487.0006.D0	Sheffi /Yosef	01/14/20	07/13/20	15,030	54,912	39,882
		6942847	C	P069500	PO-0024040/1487.0005.D0	Sheffi /Yosef	01/07/20	01/14/20	7,122	19,712	12,590
		6943012	C	P069500	PO-0024108/1487.0007.E0	Sheffi /Yosef	03/16/20	03/30/20	6,971	44,352	37,381
		6943136	C	P069500	PO-0024147/1487.0009.E0	Goentzel /Jarrod	04/14/20	04/27/20	7,888	57,120	49,232
		6943159	C	P069500	PO-0024126/1487.0008.E0	Sheffi /Yosef	03/31/20	04/13/20	7,747	57,120	49,373
		6943284	C	P069500	PO-0024167/1487.0010.E1	Goentzel /Jarrod	04/28/20	05/11/20	7,132	57,120	49,988
		6943450	C	P069500	PO-0024218/1487.0013.E5	Sheffi /Yosef	01/07/20	06/15/20	0	20,400	20,400
	Total by Primary Sponsor								768,476	2,859,202	1,541,097
000634 U.S. Environmental Protection Agency	000634 U.S. Environmental Protection Agency	6933788	C	P165000	83618301	Kroll /Jesse	05/01/16	04/30/21	53,035	363,441	90,431
		6933789	C	P165000	83618301	Kroll /Jesse	05/01/16	04/30/21	74,868	194,862	31,096
		6933827	C	P165000	83618301	Heald /Colette L.	05/01/16	04/30/21	2,140	30,201	770
		6933897	C	P165000	83618301	Kroll /Jesse	05/01/16	04/30/21	21,634	97,796	7,196
		6938564	C	P165000	83618301	Kroll /Jesse	04/01/18	04/30/21	36,783	63,700	8,793
	006937 RTI International	6941367	C	P159400	SUB NUM 6-312-0216377-4	Yuan /Mei	08/15/18	04/23/20	255,552	264,999	9,447
	006977 Harvard School	6934711	C	P159400	112544-5087396	Selin /Noelle E	12/01/15	11/30/20	312,702	1,496,530	509,517
	007845 Yale University	6939096	C	P063007	GR103296 (CON-80001285	Plata /Desiree Louise	07/01/18	08/31/20	33,524	311,513	133,480

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	Total by Primary Sponsor								790,238	2,823,042	790,730
000654 U.S. National Security Agency/Maryland Procurement Office	000654 U.S. National Security Agency/Maryland Procurement Office	6942418	C	P267300	H98230-19-C-0292	Oliver /William D	09/13/19	09/30/20	0	0	0
		6942419	C	P267300	H98230-19-C-0292	Oliver /William D	09/13/19	09/30/20	0	0	0
		6942420	C	P267300	H98230-19-C-0292	O'Brien /Kevin	09/13/19	09/30/20	46,479	100,000	53,521
	003157 HRL Laboratory	6938516	C	P267200	15026-503667-DS	Oliver /William D	01/01/18	04/30/19	629	400,000	0
	007699 Vanderbilt University	6938535	C	P095500	SUBCONTRACT UNIV6007	Choucri /Nazli	01/30/18	01/29/21	0	131,440	(0)
		6940344	C	P095500	SUBCONTRACT UNIV6007	Choucri /Nazli	01/30/19	01/29/21	139,595	290,144	118,855
	Total by Primary Sponsor								186,704	921,584	172,376
000656 Food and Drug Administration	000656 Food and Drug Administration	6939095	C	P069400	1-U01FD006483-01	Sinskey /Anthony J	09/01/18	08/31/20	884,469	2,189,618	(0)
		6939503	C	P069400	5-R01-FD006584-02 REVISE	Sinskey /Anthony J	09/20/18	08/31/21	290,831	498,003	0
		6939927	C	P069400	1-U01FD006483-01	Sinskey /Anthony J	11/01/18	08/31/19	509	5,582	0
		6941237	C	P069400	5-U01FD006483-02	Sinskey /Anthony J	09/01/19	08/31/20	926,960	1,765,910	838,950
		6941435	C	P062000	U01FD006755-01	Trout /Bernhardt L	09/01/19	08/31/20	0	0	0
		6941436	C	P062000	U01FD006755-01	Trout /Bernhardt L	09/01/19	08/31/20	160,135	345,447	185,312
		6941441	C	P069400	1-U01-FD006751-01	Sinskey /Anthony J	09/01/19	08/31/20	493,695	1,664,130	1,170,435
		6941485	C	P069400	5-R01-FD006584-02	Sinskey /Anthony J	09/01/19	08/31/20	463,774	701,997	238,223
		6942042	C	P267110	1-U01-FD006751-01	Han /Jongyeon	09/01/19	08/31/20	292,348	493,715	201,367
		6942043	C	P267200	1-U01-FD006751-01	Ram /Rajeev J	09/01/19	08/31/20	186,886	607,900	421,014
		6942044	C	P069400	5-U01FD006483-02	Sinskey /Anthony J	09/01/19	08/31/20	2,719	15,000	12,281
		6942089	C	P267200	1-U01-FD006751-01	Ram /Rajeev J	09/01/19	08/31/20	6,981	7,000	19
		6942095	C	P062000	U01FD006755-01	Trout /Bernhardt L	09/01/19	08/31/20	24,335	700,000	675,665
		6942391	C	P267200	1-U01-FD006751-01	Ram /Rajeev J	12/01/19	08/31/20	2,124	23,000	20,876
	006570 Massachusetts	6942258	C	P069400	SUBAWARD# 235212	Larson /Richard Charles	09/01/19	08/31/20	11,735	30,635	18,900
	Total by Primary Sponsor								3,747,499	9,047,937	3,783,043
000662 U.S. Department of State	102823 Solar Sister, Inc	6936133	C	P035000	AGREEMENT DATED 4/1/1	Sanyal /Bishwapriya	04/01/17	01/15/18	0	124,302	24,342
	Total by Primary Sponsor								0	124,302	24,342
000665 National Academies	103205 The Water Insti	6938973	C	P063007	NAS-2017-TRAN-CE	Nepf /Heidi	12/01/17	11/30/20	11,406	121,468	43,633
	Total by Primary Sponsor								11,406	121,468	43,633
000674 Intelligence Advanced Research Projects Activity (IARPA)	000674 Intelligence Adv	6940582	C	P067952	2019-19020100001	Rus /Daniela L	03/27/19	09/30/20	439,530	500,000	60,470
	005508 Columbia Unive	6943113	C	P039000	NO.1 (GG015669-02)/PO C	Virza /Madars	06/03/19	06/02/20	55,341	63,349	8,008
	006875 Northeastern Un	6941800	C	P067952	505176-78050	Vaikuntanathan /Vinod	06/03/19	08/03/20	374,441	586,562	212,121
	007616 University of Southern California	6937906	C	P065005	90502031	Lloyd /Seth	06/09/17	09/30/20	175,728	660,227	63,871
		6937962	C	P067952	NO. 94711981	Barzilay /Regina	09/25/17	08/22/21	158,678	346,152	26,483
	011382 IBM Thomas J. Watson Research Cent	6937580	C	P067952	SUBCONTRACT 49170174	Oliva /Aude	11/06/17	03/20/19	0	598,043	2,132
		6938252	C	P067952	SUBCONTRACT 49170174	Oliva /Aude	11/06/17	12/21/17	0	6,000	6,000
		6940701	C	P067952	SUBCONTRACT 49170174	Oliva /Aude	03/20/19	09/19/20	352,061	519,037	27,355
	Total by Primary Sponsor								1,555,778	3,279,370	406,440

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000676 U.S. DOT Federal Highway Administration	000676 U.S. DOT Fede	6932478	C	P063007	DTFH6115C00033	Ben-Akiva /Moshe E	09/15/15	12/14/19	84,755	1,400,000	2,674
	001161 Massachusetts Department of Transportation	6928559	C	P035000	CONTRACT #81074	Zhao /Jinhua	07/01/14	06/30/18	0	722,213	141
		6938129	C	P035000	CONTRACT #81074	Zhao /Jinhua	07/01/14	06/30/18	0	21,659	0
	Total by Primary Sponsor								84,755	2,143,872	2,815
000680 U.S. Department of Transportation	000680 U.S. Department of Transportation	6929325	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	8,101	550,339	0
		6929326	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	654	130,675	0
		6929331	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	06/30/19	301,750	2,177,819	0
		6931343	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	08/31/17	0	76,273	(0)
		6936232	C	P271000	DTRT5717C10121	Bourg /Mary C	04/01/17	09/30/20	76,592	106,788	(132,571)
		6940159	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	(395)	47,550	0
		6940160	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	1,958	67,996	(0)
		6940161	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	75,929	125,341	0
		6940163	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	(1,628)	52,309	0
		6940164	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	58,144	120,988	0
		6940165	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	718	77,948	0
		6940166	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	12,399	75,771	0
		6940167	C	P069500	DTRT13-G-UTC31	Sheffi /Yosef	09/01/18	09/30/19	377	74,987	(0)
		6940169	C	P069500	DTRT13-G-UTC31	Zhao /Jinhua	09/01/18	08/31/19	6,116	50,106	(0)
		6943376	C	P271000	DTRT5717C10121	Bourg /Mary C	10/01/18	09/30/19	0	75,411	75,411
		6943377	C	P271000	DTRT5717C10121	Bourg /Mary C	10/01/19	09/30/20	0	78,310	78,310
	Total by Primary Sponsor								540,715	3,888,611	21,150
000682 US DOT - Federal Aviation Administration	000682 US DOT - Federal Aviation Administration	6928689	C	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	02/04/22	0	174	174
		6928691	C	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	11/30/15	0	9,826	0
		6930794	C	P061094	13-C-AJFE-MIT-030	Hansman /Robert J	08/01/14	08/31/18	0	241,893	(0)
		6930795	C	P061094	13-C-AJFE-048	Barrett /Steven R. H.	09/01/14	02/04/21	523,243	2,635,000	201,756
		6930796	C	P061094	13-C-AJFE-042	Barrett /Steven R. H.	09/01/14	08/31/20	0	600,000	(83)
		6930797	C	P061094	13-C-AJFE-005	Barrett /Steven R. H.	09/01/14	08/31/15	0	95,000	(0)
		6930798	C	P061094	13-C-AJFE-MIT-038	Hansman /Robert J	08/15/14	08/31/18	0	643,872	0
		6930799	C	P061094	13-C-AJFE-032	Barrett /Steven R. H.	09/01/14	08/31/20	49,636	850,000	(50,106)
		6931078	C	P061094	13-C-AJFE-046	Hansman /Robert J	11/01/14	02/04/21	88,995	1,110,000	371,370
		6931352	C	P061094	13-C-AJFE-010	Barrett /Steven R. H.	12/04/14	09/30/16	0	150,000	(0)
		6931398	C	P061094	13-C-AJFE-011	Willcox /Karen E	08/15/14	08/31/15	0	25,839	0
		6934455	C	P061094	13-C-AJFE-MIT-047	Balakrishnan /Hamsa	07/07/16	02/04/21	13,141	325,000	104,264
		6934459	C	P061094	13-C-AJFE-MIT-043	Barrett /Steven R. H.	07/08/16	08/31/20	192,402	649,850	18,242
		6934460	C	P061094	13-C-AJFE-MIT-045	Barrett /Steven R. H.	07/08/16	05/31/21	161,510	550,000	(3,296)
		6934814	C	P061093	16-G-011	Hansman /Robert J	10/01/16	01/08/20	47,010	300,000	0
		6935001	C	P062000	13-C-AJFE-MIT-026	Green /William H	07/08/16	08/31/20	47,973	190,150	13,905
		6939716	C	P061094	13-C-AJFE-MIT-050	Hansman /Robert J	09/01/18	08/31/20	72,805	350,000	162,504
		6940709	C	P061094	13-C-AJFE-MIT-052	Barrett /Steven R. H.	12/30/18	02/04/21	308,774	650,000	257,891
		6942058	C	P061093	692M151940009	Hansman /Robert J	09/26/19	09/25/20	56,831	179,053	122,222
		6942716	C	P061094	13-C-AJFE-MIT	Barrett /Steven R. H.	02/05/20	02/04/21	2,317	300,000	297,683
		6942732	C	P061094	13-C-AJFE-MIT	Barrett /Steven R. H.	02/05/20	02/04/21	17,622	300,000	282,378

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		6942734	C	P061094	13-C-AJFE-MIT	Barrett /Steven R. H.	02/05/20	02/04/22	9,938	500,000	490,062
	005274 Boston Universi	6943154	C	P061094	4500003246	Hansman /Robert J	07/14/19	02/28/22	36,017	475,780	439,763
	007633 University of Ma	6941839	C	P061093	80895-Z9411201	Balakrishnan /Hamsa	09/01/19	08/31/20	56,832	88,426	31,594
	007741 University of Ma	6942235	C	P061093	80927-Z9421201	Hansman /Robert J	08/01/19	07/31/20	61,751	105,507	43,756
	Total by Primary Sponsor								1,746,796	11,325,370	2,784,080
000683 U.S. Department of Transportation TSC	000683 U.S. Departmer	6936832	C	P065005	DTRT5717P80110/V33320	Wierzbicki /Tomasz	07/21/17	04/21/20	79,529	150,000	77
	Total by Primary Sponsor								79,529	150,000	77
000686 U.S. DOT-Federal Railroad Administration	000686 U.S. DOT-Federal Railroad Administration	6934979	C	P061097	DTFR5316P00052	Oman /Charles M	10/01/16	03/31/19	(169)	102,399	0
		6939870	C	P061097	693JJ618C000010	Oman /Charles M	09/30/18	09/29/20	445,809	1,000,000	492,465
	006484 General Electric	6940636	C	P061097	PO 401138496	Oman /Charles M	10/01/18	02/09/21	115,366	375,369	245,848
	Total by Primary Sponsor								561,007	1,477,768	738,313
000688 U.S. Geological Survey	000688 U.S. Geological Survey	6938942	C	P153000	G18AP00051	Floyd /Michael	07/01/18	06/30/19	429	47,593	0
		6942524	C	P153000	G20AP00022	Nakata /Norimitsu	01/01/20	12/31/20	10,145	67,832	57,687
	007405 Southern California Earthquake Center	6941354	C	P153000	118062439	Herring /Thomas A	02/01/19	01/31/20	7	22	15
		6941525	C	P153000	118062439	Herring /Thomas A	02/01/19	01/31/20	32,984	32,984	(0)
		6941526	C	P153000	118062439	Nakata /Norimitsu	02/01/19	01/31/20	24,994	24,994	0
		6943330	C	P153000	131436291	Herring /Thomas A	02/01/20	01/31/21	12,757	34,670	21,913
	Total by Primary Sponsor								81,316	208,095	79,615
000696 U.S. Department of Interior-Bureau of Reclamation	000696 U.S. Department of Interior-Bureau of Reclamation	6938110	C	P402410	R17AC00135	Lienhard /John H	02/01/18	06/30/20	36,473	150,000	2
		6941230	C	P065005	R18AC00109	Winter /Amos G	10/01/18	09/30/20	248,143	396,624	148,481
		6942759	C	P065005	R19AC00104	Winter /Amos G	02/27/20	03/31/21	23,293	136,333	113,040
		6942870	C	P065005	R19AC00104	Winter /Amos G	03/01/20	06/30/20	0	13,667	13,667
	Total by Primary Sponsor								307,910	696,624	275,190
000699 U.S. Agency for International Development	000699 U.S. Agency for International Development	6926870	C	P035000	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	09/30/22	0	450	450
		6926871	C	P035000	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	09/30/18	0	1,747,549	0
		6927093	C	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	2,250,635	(0)
		6927094	C	P069500	AID-OAA-A-12-00095	Sheffi /Yosef	10/01/12	12/31/17	0	1,357,728	0
		6927095	C	P440105	AID-OAA-A-12-00095	Smith /Amy B	10/01/12	12/31/17	0	1,292,054	0
		6927096	C	P069400	AID-OAA-A-12-00095	de Weck /Olivier L	10/01/12	12/31/17	0	1,176,219	0
		6933499	C	P069500	AID-OAA-A-12-00095	Caplice /Christopher	01/19/16	09/30/22	473,088	2,847,931	492,924
		6934817	C	P065005	AID-OAA-A-16-00058	Winter /Amos G	09/20/16	12/31/22	877,903	3,110,909	328,833
		6934838	C	P440104	AID-OAA-A-12-00095	Smith /Amy B	10/01/16	09/30/18	0	5,470	(0)
		6936566	C	P065005	AID-OAA-A-16-00058	Winter /Amos G	02/14/17	12/31/17	0	7,841	0
		6938149	C	P065005	AID-OAA-A-16-00058	Winter /Amos G	02/01/18	07/06/18	10,389	10,389	0
		6938749	C	P440108	AID-OAA-A-12-00095	Frey /Daniel	06/01/18	06/30/19	(912)	100,000	0
		6938750	C	P440108	AID-OAA-A-12-00095	Frey /Daniel	05/01/18	01/31/20	121,540	471,711	0
		6938751	C	P440108	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	01/31/20	122,614	656,167	(0)
		6940001	C	P065005	AID-OAA-A-16-00058	Winter /Amos G	12/01/18	06/30/20	80	38,620	23,395

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		6940639	C	P440108	AID-OAA-A-12-00095	Verploegen /Eric Anton	04/01/19	12/31/20	85,315	179,956	69,703
		6940640	C	P440108	AID-OAA-A-12-00095	Hoffecker /Elizabeth A	04/01/19	05/31/21	58,361	188,511	114,058
		6940686	C	P065004	72026319CA00003	Ghoniem /Ahmed F	02/20/19	02/19/24	0	9,909,419	9,909,419
		6941068	C	P065004	72026319CA00003	Ghoniem /Ahmed F	02/20/19	02/19/24	0	0	0
		6941243	C	P440108	AID-OAA-A-12-00095	Hoffecker /Elizabeth A	09/01/19	08/31/20	74,697	509,975	435,278
		6941244	C	P069500	AID-OAA-A-12-00095	Sheffi /Yosef	05/01/19	09/30/20	252,130	427,877	175,747
		6941996	C	P065009	72026319CA00003	Chen /Gang	01/01/20	12/31/22	0	0	0
		6942001	C	P065005	72026319CA00003	Winter /Amos G	01/01/20	12/31/22	0	250,000	250,000
		6942084	C	P065009	72026319CA00003	Chen /Gang	01/01/20	12/31/22	0	125,000	125,000
		6942085	C	P065009	72026319CA00003	Wang /Evelyn	01/01/20	12/31/22	0	125,000	125,000
		6942117	C	P440107	AID-OAA-A-12-00095	McDonald /Elizabeth	01/01/20	12/31/21	56,008	300,000	243,992
		6943161	C	P035000	AID-OAA-A-12-00095	Frey /Daniel	04/29/20	05/31/21	22,348	500,000	477,652
	006120 Harvard University	6942294	C	P091020	100866-5112734	Olken /Benjamin	06/17/19	06/16/21	0	0	0
		6942314	C	P091020	100866-5112734	Olken /Benjamin	06/17/19	06/16/20	84,510	210,798	126,288
		6942990	C	P091020	100866-5112734	Olken /Benjamin	06/17/19	06/16/21	4,660	52,430	47,770
	006725 National Academies	6938265	C	P065005	SUBAWARD 2000009130	Wang /Evelyn	03/01/18	02/28/21	72,132	52,200	(24,700)
	104071 Institut Teknologi	6940627	C	P065005	IIE00000078-ITB-1	Wierzbicki /Tomasz	01/14/19	12/31/20	149,835	150,000	165
	Total by Primary Sponsor								2,464,699	28,054,839	12,920,974
000708 U Delaware: National Institute for Innovation in Manufacturing	000708 U Delaware: National Institute for Innovation in Manufacturing	6940340	C	P069400	AGREEMENT DATED 1/15	Han /Jongyoon	01/15/19	09/02/20	1,111	0	(1,111)
		6941812	C	P069400	PC2.1-036 / PO 55644	Braatz /Richard D	09/01/19	08/31/20	156,187	242,208	86,021
		6941814	C	P069400	PC1.0.006	Van Vliet /Krystyn J	09/03/19	09/02/20	187,999	370,933	182,934
		6943411	C	P069400	PC2.1-037	Han /Jongyoon	06/15/20	12/14/20	6,792	123,609	116,817
	Total by Primary Sponsor								352,089	736,750	384,661
000709 Softwood Lumber Board	000709 Softwood Lumber Board	6938668	C	P159400	MRA DTD. 05/22/2018	Winchester /Niven Stewart	01/01/18	12/31/18	(200)	20,000	0
	Total by Primary Sponsor								(200)	20,000	0
000721 Department of Interior - Interior Business Center	000721 Department of Interior - Interior Business Center	6938957	C	P062000	D18AP00039	Kulik /Heather Janine	07/02/18	07/01/21	242,809	875,000	422,727
		6938958	C	P066000	D18AP00070	Hu /Juejun	07/02/18	07/01/20	138,225	398,850	43,234
		6939001	C	P417500	D18AC00019	Beach /Geoffrey Stephen	04/01/18	12/31/21	362,085	1,106,986	445,969
		6939010	C	P067952	D18AP00065	Vaikuntanathan /Vinod	07/02/18	07/01/20	203,364	500,000	14,516
		6939097	C	P417500	D18AC00019	Ross /Caroline A	04/01/18	12/31/21	127,477	243,009	29,282
		6940003	C	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/22	3,566	294,000	287,515
		6940155	C	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/22	120,405	149,297	(42,083)
		6940156	C	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/20	89,815	133,500	(0)
		6940157	C	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/20	95,049	133,500	52
	007180 Purdue University	6940314	C	P267100	15200066-022	Cappellaro /Paola	10/01/18	03/31/22	192,882	554,989	230,754
	007534 University of California-San Diego	6940152	C	P417500	111438341	Gedik /Nuh	10/01/18	05/31/20	116,034	181,595	(923)
		6940175	C	P267111	111438341	Englund /Dirk R.	10/01/18	05/31/20	86,818	160,594	68,920
		6940176	C	P069850	111438341	Checkelsky /Joseph	10/01/18	05/31/20	30,559	181,594	13,215
		6941135	C	P267111	111438341	Englund /Dirk R.	03/15/19	05/31/20	2,838	21,000	18,162
	010903 Dynamic Object	6939149	C	P067952	AGREEMENT EFF. 07/01/2	Winston /Patrick H	07/01/18	06/30/19	9,999	149,445	0

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	Total by Primary Sponsor								1,821,925	5,083,359	1,531,340
000751 Social Security Administration	005265 Boston College	6940752	C	P122070	5107171-S3	Schmidt /Lawrence David Warre	05/01/19	04/30/20	37,589	45,000	(0)
	Total by Primary Sponsor								37,589	45,000	(0)
000753 The Institute of Physical and Chemical Research (RIKEN)	000753 The Institute of	6938301	C	P159300	AGMT FOR COLLABORAT	Tonegawa /Susumu	04/01/18	03/31/23	1,651,157	3,625,081	(375,411)
	Total by Primary Sponsor								1,651,157	3,625,081	(375,411)
000780 U.S. Veterans Administration	000780 U.S. Veterans A	6935450	C	P065004	VA245-16-P-0574 P00001;	Anthony /Brian	08/01/16	10/18/17	(186)	45,482	(0)
	Total by Primary Sponsor								(186)	45,482	(0)
000841 National Reconnaissance Office	006968 ESPACE	6928454	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	08/08/13	07/31/20	565,160	3,836,096	237,131
		6933171	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	09/01/15	05/31/17	0	64,814	0
		6934560	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	12/01/15	05/31/20	0	121,401	2,842
	Total by Primary Sponsor								565,160	4,022,311	239,973
000850 U.S. Department of Justice	102965 Middlesex Cour	6938232	C	P095500	AGMT. DTD. 04/02/18	Hidalgo /Fernando Daniel	02/01/18	09/30/20	11	48,189	48,163
	Total by Primary Sponsor								11	48,189	48,163
001001 Chicago Transit Authority	001001 Chicago Transi	6933954	C	P035000	PO B16OP04443-12 REV2	Zhao /Jinhua	06/01/16	08/31/19	57,698	1,888,523	17
		6940305	C	P035000	AGMT. DTD. 06/16/2019	Zhao /Jinhua	06/16/19	06/15/22	553,006	1,687,637	1,134,631
	Total by Primary Sponsor								610,705	3,576,160	1,134,647
001009 Massport	001009 Massport	6937441	C	P061093	AGMT DATED 8/14/17	Hansman /Robert J	10/01/16	06/30/20	82,892	173,000	15,109
	Total by Primary Sponsor								82,892	173,000	15,109
001010 Commonwealth of Massachusetts - Miscellaneous	001010 Commonwealth	6939041	C	P069850	M2I2	Tibbits /Skylar	11/01/17	06/30/18	(60,990)	100,000	0
	Total by Primary Sponsor								(60,990)	100,000	0
001012 Massachusetts Bay Transportation Authority	001012 Massachusetts	6936920	C	P069500	PO: 9000006188 - AGREE	Whittle /Andrew	07/01/17	06/30/21	728,091	2,839,285	801,888
	Total by Primary Sponsor								728,091	2,839,285	801,888
001055 Institute of Nuclear Energy Research	001055 Institute of Nuclear Energy Research	6934305	C	P159400	FS1060272	Reilly /John M	06/02/16	12/31/18	(6,481)	330,000	0
		6940822	C	P159400	FS1060272	Chen /Yen-Heng	06/19/19	06/20/20	41,257	65,003	(19,998)
		6943073	C	P159400	FS1060272	Chen /Yen-Heng	03/01/20	06/20/20	0	19,997	19,997
	Total by Primary Sponsor								34,776	415,000	(1)
001089 Government of Aragon (Spain)	001089 Government of Aragon (Spain)	6895199	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/25	0	89,771	89,831
		6895766	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/23	64,387	5,763,661	(22,271)
		6895767	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	12/01/03	05/14/15	0	86,144	(0)
		6895768	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/23	0	4,361,354	0

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		6895930	C	P069501	MOA OF 7/23/03	Gallien /Jeremie	07/23/03	05/31/05	0	76,507	0
		6896035	C	P069501	MOA OF 7/23/03	Bitran /Gabriel R	07/23/03	08/31/06	0	16,925	0
		6896083	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	03/01/04	09/30/13	0	183,399	0
		6896409	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	05/01/04	09/30/13	0	478,988	0
		6897143	C	P069501	MOA OF 7/23/03	Novak /Sharon	07/23/03	11/30/06	0	4,946	0
		6897322	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	06/30/08	0	90,726	0
		6898309	C	P069501	MOA OF 7/23/03	Fine /Charles H	07/23/03	09/30/05	0	96	0
		6899128	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	09/01/05	09/30/23	0	383,855	(0)
		6914132	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	68,719	0
		6918297	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	09/01/08	09/30/23	0	527,539	0
		6918793	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/01/08	09/30/23	32,319	838,000	(31,098)
		6919786	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	57,999	0
		6919959	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	53,455	0
		6920859	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	10/01/09	09/30/23	92,700	1,856,120	257,001
		6920860	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	10/01/09	09/30/13	0	5,761	0
		6925909	C	P069501	MOA OF 7/23/03	Blanco /Edgar	04/01/12	05/14/15	0	113,823	0
		6925939	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	05/01/12	09/30/23	0	262,382	0
		6926306	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/23	0	1,277,785	0
		6926407	C	P069501	AGRMNT DTD 8/1/2012	Sheffi /Yosef	08/01/12	09/30/23	0	63,887	0
		Total by Primary Sponsor							189,406	16,661,842	293,463
001095 Deutsches Elektronen-Synchrotron (DESY)	001095 Deutsches Elektronen-Synchrotron (DESY)	6923878	C	P267600	WORK PACKAGE 2 UNDE	Kaertner /Franz X	01/01/11	12/31/18	2,063	2,194,564	3,940
		6924468	C	P267600	WORK PACKAGE 2 UNDE	Kaertner /Franz X	01/01/11	06/30/16	0	454,162	0
		Total by Primary Sponsor							2,063	2,648,726	3,940
001100 Defense Science & Technology Agency	001100 Defense Science & Technology Agency	6939156	C	P067952	8018999998	Rus /Daniela L	06/01/18	05/31/21	0	0	(851)
		6940112	C	P067952	DST000ECI19300126	Glass /James R	12/21/18	12/21/21	0	0	(1,813)
		6940127	C	P067952	8018999998	Glass /James R	12/21/18	12/21/21	200,472	795,771	569,550
		6940128	C	P067952	8018999998	Glass /James R	12/21/18	12/21/21	358,793	791,141	301,920
		6941938	C	P067952	PO 19301662	Madry /Aleksander	11/01/19	10/31/20	64,123	250,000	185,877
		Total by Primary Sponsor							623,388	1,836,912	1,054,682
001104 King Abdulaziz City for Science & Technology (KACST)	001104 King Abdulaziz City for Science & Technology (KACST)	6924200	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/11	12/31/28	0	2,836,545	2,040,915
		6924201	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	464,494	(0)
		6924202	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	511,136	(0)
		6924203	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	457,985	0
		6926208	C	P068100	AGMT DTD. 7/1/11	Williams /John R	07/01/12	06/30/14	0	552,291	(0)
		6926934	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	09/01/12	08/31/14	0	482,154	0
		6928112	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	12/31/28	0	256,545	131,658
		6928477	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	614,176	(0)
		6928478	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	577,660	(0)
		6928479	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	556,719	0
		6928480	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	724,203	0
		6929375	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	01/01/14	06/30/16	0	138,155	0

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6930019	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	12/31/28	0	805,368	50,729
		6932224	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/15	06/30/18	0	1,154,351	(0)
		6932750	C	P069400	AGMT DTD. 7/1/11	Gonzalez /Marta C.	07/01/15	06/30/17	0	253,655	0
		6932751	C	P069400	AGMT DTD. 7/1/11	Williams /Sarah E	07/01/15	06/30/17	0	248,973	0
		6932752	C	P069400	AGMT DTD. 7/1/11	Gonzalez /Marta C.	07/01/15	06/30/17	0	263,442	0
		6932753	C	P069400	AGMT DTD. 7/1/11	Reinhart /Christoph	07/01/15	06/30/17	0	250,485	(0)
		6932754	C	P069400	AGMT DTD. 7/1/11	Hidalgo Ramaciotti /Cesar A.	07/01/15	06/30/17	0	238,049	(0)
		6932755	C	P069400	AGMT DTD. 7/1/11	Rahwan /Iyad	07/01/15	06/30/17	0	222,031	0
		6932756	C	P069400	AGMT DTD. 7/1/11	Eltahir /Elfatih A. B.	07/01/15	06/30/17	0	381,594	(0)
		6932757	C	P069400	AGMT DTD. 7/1/11	Cziczco /Daniel James	07/01/15	06/30/17	0	185,992	0
		6932878	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/15	06/30/17	0	588,185	(0)
		6932881	C	P069400	AGMT DTD. 7/1/11	Strzepek /Kenneth	07/01/15	06/30/17	0	400,720	0
		6933484	C	P069400	AGMT DTD 7/1/11	Williams /John R	01/01/16	06/30/17	0	318,302	0
		6933516	C	P069400	AGMT DTD 7/1/11	Karger /David R	01/01/16	06/30/17	0	180,430	0
		6935456	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	06/30/19	0	29,632	(0)
		6937549	C	P069400	AGMT DTD. 7/1/11	Reinhart /Christoph	07/01/17	06/30/19	3,076	330,249	0
		6937550	C	P069400	AGMT DTD. 7/1/11	Veeramachaneni /Kalyan	07/01/17	06/30/19	(24,907)	330,359	0
		6937551	C	P069400	AGMT DTD. 7/1/11	Rahwan /Iyad	07/01/17	06/30/19	(1,257)	330,000	(0)
		6937552	C	P069400	AGMT DTD. 7/1/11	Schlosser /Courtney Adam	07/01/17	06/30/19	11,420	313,957	0
		6937553	C	P069400	AGMT DTD. 7/1/11	Shah /Devavrat	07/01/17	06/30/19	13,879	319,664	0
		6937554	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	12,725	331,875	(0)
		6937555	C	P069400	AGMT DTD. 7/1/11	Schlosser /Courtney Adam	07/01/17	12/31/19	50,687	428,869	0
		6937556	C	P069400	AGMT DTD. 7/1/11	Dahleh /Munther A	07/01/17	06/30/19	0	329,838	0
		6937557	C	P069400	AGMT DTD. 7/1/11	Sanchez /Abel	07/01/17	06/30/19	(21)	330,030	0
		6937558	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	0	272,551	0
		6937559	C	P069400	AGMT DTD. 7/1/11	Karger /David R	07/01/17	06/30/19	(12,074)	330,473	14,788
		6937560	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	25,654	552,863	0
		6941143	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/19	06/30/21	432,269	515,000	82,731
		6941465	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/19	06/30/21	159,837	165,000	5,163
		6941466	C	P069400	AGMT DTD. 7/1/11	Karger /David R	07/01/19	06/30/21	0	165,000	165,000
		6941467	C	P069400	AGMT DTD. 7/1/11	Williams /John R	07/01/19	06/30/21	844	165,000	164,156
		6941468	C	P069400	AGMT DTD. 7/1/11	Veeramachaneni /Kalyan	07/01/19	06/30/21	32,657	165,000	132,343
		6941469	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/19	06/30/21	84,821	165,000	80,179
		6941470	C	P069400	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/19	06/30/21	155,438	165,000	9,562
		6941471	C	P069400	AGMT DTD. 7/1/11	Shah /Devavrat	07/01/19	06/30/21	51,639	165,000	113,361
		6941472	C	P069400	AGMT DTD. 7/1/11	Reinhart /Christoph	07/01/19	06/30/21	137,461	165,000	27,539
		6941473	C	P069400	AGMT DTD. 7/1/11	Dahleh /Munther A	07/01/19	06/30/21	0	165,000	165,000
		6941474	C	P069400	AGMT DTD. 7/1/11	Pentland /Alex Paul	07/01/19	06/30/21	156,375	165,000	8,625
		Total by Primary Sponsor							1,290,523	20,059,000	3,191,747
001131 Massachusetts Technology Transfer Center	001131 Massachusetts	6942253	C	P402000	AGMT DTD 12/19/19	Cima /Michael J	01/15/20	08/31/20	3,794	15,000	11,206
	Total by Primary Sponsor								3,794	15,000	11,206
001134 Ministry of Defense of Israel	001134 Ministry of Defe	6933893	C	P061093	PO 4440719095	Lagace /Paul A	01/01/16	11/30/18	12,990	80,570	0

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Defense of Israel	Total by Primary Sponsor								12,990	80,570	0
001139 National Research Foundation	001139 National Research Foundation	6916013	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/07/06	12/31/22	0	0	0
		6916014	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/01/07	12/31/22	0	0	0
		6916015	C	P401862	AGREEMENT DATED 9/18	Hastings /Daniel E	07/01/07	12/31/12	0	17,980	0
		6916016	C	P401862	AGREEMENT DATED 9/18	Hastings /Daniel E	07/01/07	12/31/12	0	0	0
		6916017	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	07/01/07	12/31/12	0	2,099,585	0
		6916018	C	P069200	AGREEMENT DATED 9/18	Sasisekharan /Ram	07/01/07	12/31/12	0	1,834,856	(0)
		6916019	C	P069200	AGREEMENT DATED 9/18	Schauer /David	07/01/07	07/01/10	0	661,132	(0)
		6916020	C	P066000	AGREEMENT DATED 9/18	Dao /Ming	07/01/07	12/31/12	0	1,843,567	(0)
		6916021	C	P062000	AGREEMENT DATED 9/18	Hammond /Paula T	07/01/07	12/31/12	0	239,826	0
		6916022	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	07/01/07	12/31/12	0	172,581	(0)
		6916023	C	P401862	AGREEMENT DATED 9/18	Ploegh /Hidde	07/01/07	03/31/12	0	457,604	0
		6916024	C	P401862	AGREEMENT DATED 9/18	Matsudaira /Paul T	07/01/07	06/30/09	0	488,589	0
		6916025	C	P063007	AGREEMENT DATED 9/18	Whittle /Andrew	07/01/07	12/31/12	0	492,050	0
		6916026	C	P401862	AGREEMENT DATED 9/18	Whittle /Andrew	07/01/07	03/31/12	0	124,274	0
		6916027	C	P266300	AGREEMENT DATED 9/18	Patrikalakis /Nicholas M	07/01/07	03/31/12	0	608,996	(0)
		6916029	C	P063007	AGREEMENT DATED 9/18	Madsen /Ole S	07/01/07	12/31/12	0	519,702	(0)
		6916030	C	P063007	AGREEMENT DATED 9/18	Adams /Edward E	07/01/07	12/31/12	0	1,026,645	(0)
		6916031	C	P401862	AGREEMENT DATED 9/18	Norford /Leslie Keith	07/01/07	12/31/12	0	554,190	0
		6916032	C	P063007	AGREEMENT DATED 9/18	Entekhabi /Dara	07/01/07	12/31/12	0	585,130	0
		6916033	C	P153000	AGREEMENT DATED 9/18	Rizzoli /Paola M	07/01/07	12/31/12	0	403,863	0
		6916034	C	P063007	AGREEMENT DATED 9/18	Eltahir /Elfatih A. B.	07/01/07	12/31/12	0	787,499	0
		6916035	C	P063007	AGREEMENT DATED 9/18	Harvey /Charles F	07/01/07	12/31/12	0	177,210	0
		6916036	C	P401862	AGREEMENT DATED 9/18	Hastings /Daniel E	07/01/07	03/31/15	0	0	0
		6916037	C	P063007	AGREEMENT DATED 9/18	Whittle /Andrew	10/01/08	12/31/12	0	961,363	0
		6916038	C	P405140	AGREEMENT DATED 9/18	Norford /Leslie Keith	10/01/08	12/31/12	0	309,258	(0)
		6916039	C	P063007	AGREEMENT DATED 9/18	Hemond /Harold F	10/01/08	12/31/12	0	511,917	(0)
		6916040	C	P266300	AGREEMENT DATED 9/18	Patrikalakis /Nicholas M	10/01/08	12/31/12	0	1,193,246	(0)
		6916041	C	P266300	AGREEMENT DATED 9/18	Triantafylou /Michael S	10/01/08	12/31/12	0	838,764	(0)
		6916042	C	P065006	AGREEMENT DATED 9/18	Barbastathis /George	10/01/08	12/31/12	0	441,125	0
		6916043	C	P065006	AGREEMENT DATED 9/18	Barbastathis /George	10/01/08	12/31/12	0	997,697	0
		6916044	C	P031000	AGREEMENT DATED 9/18	Norford /Leslie Keith	10/01/08	09/30/09	0	33,677	(0)
		6916045	C	P031000	AGREEMENT DATED 9/18	Norford /Leslie Keith	10/01/08	09/30/09	0	3,185	0
		6916046	C	P401862	AGREEMENT DTD. 9/18/0	Fitzgerald /Eugene A	10/01/08	12/31/13	0	128,690	128,690
		6916047	C	P065004	AGREEMENT DATED 9/18	Asada /Haruhiko	10/01/08	12/31/13	0	869,894	0
		6916048	C	P065004	AGREEMENT DATED 9/18	Barbastathis /George	10/01/08	12/31/13	0	524,999	(0)
		6916049	C	P062000	AGREEMENT DATED 9/18	Doyle /Patrick S	10/01/08	12/31/13	0	943,371	(0)
		6916050	C	P267110	AGREEMENT DATED 9/18	Han /Jongyeon	10/01/08	12/31/13	0	1,040,802	0
		6916051	C	P065004	AGREEMENT DATED 9/18	Kamm /Roger Dale	10/01/08	12/31/13	0	927,401	0
		6916052	C	P401862	AGREEMENT DATED 9/18	So /Peter T. C.	10/01/08	12/31/13	0	86,554	(731,434)
		6916053	C	P066000	AGREEMENT DATED 9/18	Van Vliet /Krystyn J	10/01/08	12/31/13	0	1,269,946	0
		6916054	C	P401862	AGREEMENT DATED 9/18	Lang /Matthew J	10/01/08	12/31/13	0	11,042	(778,206)
		6916055	C	P165000	AGREEMENT DATED 9/18	Tannenbaum /Steven R	10/01/08	12/31/13	0	429,231	0
		6916056	C	P401862	AGREEMENT DATED 9/18	Griffith /Linda G	10/01/08	12/31/13	0	0	(404,960)

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		6916057	C	P401862	AGREEMENT DATED 9/18	Tidor /Bruce	10/01/08	12/31/13	0	0	(293,791)
		6916059	C	P165000	AGREEMENT DATED 9/18	Tannenbaum /Steven R	09/01/08	12/31/12	0	468,397	0
		6916061	C	P402010	AGREEMENT DATED 9/18	Love /John C	07/01/07	12/31/12	0	188,634	(0)
		6916062	C	P401862	AGREEMENT DATED 9/18	Van Vliet /Krystyn J	10/01/08	12/31/13	0	0	(143,950)
		6916063	C	P069200	AGREEMENT DATED 9/18	Niles /Jacquin	10/01/09	12/31/12	0	123,819	0
		6916064	C	P151066	AGREEMENT DATED 9/18	Saeij /Jeroen	10/01/09	02/28/13	0	138,666	0
		6916066	C	P152000	AGREEMENT DATED 9/18	Cao /Jianshu	07/01/09	12/31/12	0	465,442	(0)
		6916067	C	P165000	AGREEMENT DATED 9/18	Engelward /Bevin P	07/01/09	12/31/12	0	761,002	(0)
		6916068	C	P165000	AGREEMENT DATED 9/18	Dedon /Peter C	07/01/09	12/31/12	0	969,866	0
		6916069	C	P159400	AGREEMENT DATED 9/18	Wang /Chien	10/01/09	12/31/12	0	338,058	(0)
		6916070	C	P153000	AGREEMENT DATED 9/18	Boyle /Edward A	10/01/09	12/31/12	0	330,469	0
		6916073	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/10	06/30/11	0	69,137	0
		6916075	C	P068700	AGREEMENT DATED 9/18	Frazzoli /Emilio	12/01/09	03/01/16	0	842,976	0
		6916076	C	P154000	AGREEMENT DATED 9/18	Edelman /Alan	01/01/10	12/31/10	0	65,000	0
		6916077	C	P063007	AGREEMENT DATED 9/18	Ben-Akiva /Moshe E	10/01/09	03/01/16	0	1,608,592	(0)
		6916078	C	P060000	AGREEMENT DATED 9/18	Barnhart /Cynthia	10/01/09	03/01/16	0	163,026	(0)
		6916079	C	P068700	AGREEMENT DATED 9/18	Frazzoli /Emilio	10/01/09	03/01/16	0	1,706,650	(0)
		6916080	C	P068700	AGREEMENT DATED 9/18	Jaillet /Patrick	10/01/09	03/01/16	0	1,137,203	(0)
		6916081	C	P061093	AGREEMENT DATED 9/18	Odoni /Amedeo R	10/01/09	03/01/16	168	858,479	0
		6916082	C	P067952	AGREEMENT DATED 9/18	Peh /Li-Shiuan	10/01/09	03/01/16	0	1,099,940	(0)
		6916083	C	P035000	AGREEMENT DATED 9/18	Ratti /Carlo	10/01/09	03/01/16	0	1,291,784	(0)
		6916084	C	P035000	AGREEMENT DATED 9/18	Zegras /Pericles C	10/01/09	04/30/16	0	1,082,103	0
		6916085	C	P093800	AGREEMENT DATED 9/18	Barrett /Edward C	02/14/10	06/30/11	0	83,674	0
		6916086	C	P267110	AGREEMENT DATED 9/18	Han /Jongyoon	05/01/10	12/31/11	0	49,915	0
		6916087	C	P267100	ING 09005	Hu /Qing	04/01/10	03/31/11	0	36,002	(0)
		6916088	C	P267110	ING 09007	Han /Jongyoon	05/01/10	04/30/12	0	194,095	0
		6916089	C	P067952	AGREEMENT DATED 9/18	Rus /Daniela L	05/01/10	03/01/16	0	785,516	(0)
		6916090	C	P401862	AGREEMENT DATED 9/18	Fernandez /John	05/01/10	09/30/14	0	25,067	0
		6916091	C	P064000	AGREEMENT DATED 9/18	Schindall /Joel E	02/01/10	02/01/12	0	32,549	(0)
		6916092	C	P266300	AGREEMENT DATED 9/18	Triantafyllou /Michael S	09/01/10	12/31/12	0	18,009	0
		6916093	C	P067952	AGREEMENT DATED 9/18	Katabi /Dina	07/01/10	03/01/16	0	526,740	(0)
		6916094	C	P035000	AGREEMENT DATED 9/18	Ferreira /Joseph	07/01/10	03/01/16	0	752,767	0
		6916095	C	P417000	AGREEMENT DATED 9/18	Socrate /Simona	07/01/10	03/31/12	0	49,918	0
		6916097	C	P065004	AGREEMENT DATED 9/18	Kamm /Roger Dale	07/01/09	09/30/13	0	127,110	0
		6916098	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/01/11	03/31/17	0	0	0
		6916099	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/01/11	03/31/17	0	174,362	0
		6916100	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	10/01/11	03/31/17	0	1,220,231	(0)
		6916101	C	P069850	AGREEMENT DATED 9/18	Antoniadis /Dimitri A	10/01/11	03/31/17	0	845,451	(0)
		6916102	C	P069850	AGREEMENT DATED 9/18	Buonassisi /Anthony	10/01/11	03/31/17	(131)	954,250	(0)
		6916103	C	P069850	AGREEMENT DATED 9/18	Michel /Jurgen	10/01/11	03/31/17	0	899,532	(0)
		6916104	C	P069850	AGREEMENT DATED 9/18	Palacios /Tomas	10/01/11	03/31/17	0	574,040	0
		6916105	C	P067952	AGREEMENT DATED 9/18	Peh /Li-Shiuan	10/01/11	03/31/17	0	899,546	(0)
		6916106	C	P069850	AGREEMENT DATED 9/18	Thompson /Carl Vernet	10/01/11	03/31/17	0	909,403	(0)
		6916107	C	P069850	AGREEMENT DATED 9/18	Shao-Horn /Yang	10/01/11	03/31/17	0	896,673	0
		6916108	C	P069850	AGREEMENT DATED 9/18	Wang /Evelyn	10/01/11	03/31/17	0	960,582	(0)

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		6916109	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/13	12/31/18	56,296	0	0
		6916110	C	P401862	AGREEMENT DATED 9/18	Hastings /Daniel E	01/01/13	04/30/18	0	79,994	(0)
		6916111	C	P063007	AGREEMENT DATED 9/18	Whittle /Andrew	01/01/13	12/31/18	(56,296)	1,474,466	0
		6916112	C	P063007	AGREEMENT DATED 9/18	Hemond /Harold F	01/01/13	12/31/18	0	496,885	0
		6916113	C	P266300	AGREEMENT DATED 9/18	Patrikalakis /Nicholas M	01/01/13	12/31/18	0	885,424	0
		6916114	C	P266300	AGREEMENT DATED 9/18	Triantafyllou /Michael S	01/01/13	12/31/18	0	1,059,026	0
		6916115	C	P065004	AGREEMENT DATED 9/18	Barbastathis /George	01/01/13	04/30/18	0	355,867	(0)
		6916116	C	P153000	AGREEMENT DATED 9/18	Rizzoli /Paola M	01/01/13	04/30/18	0	361,565	(0)
		6916117	C	P063007	AGREEMENT DATED 9/18	Eltahir /Elfatih A. B.	01/01/13	12/31/18	0	348,749	0
		6916118	C	P063007	AGREEMENT DATED 9/18	Harvey /Charles F	01/01/13	12/31/18	0	857,408	0
		6916119	C	P063007	AGREEMENT DATED 9/18	Madsen /Ole S	01/01/13	04/30/18	0	321,284	(0)
		6916128	C	P401862	AGREEMENT DATED 9/18	Norford /Leslie Keith	01/01/13	04/30/18	(0)	0	0
		6916129	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/13	04/30/18	0	0	0
		6916130	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	01/01/13	04/30/18	0	963,151	0
		6916131	C	P069201	AGREEMENT DATED 9/18	Sasisekharan /Ram	01/01/13	04/30/18	0	754,207	(0)
		6916132	C	P066000	AGREEMENT DATED 9/18	Dao /Ming	01/01/13	04/30/18	0	930,290	0
		6916133	C	P165000	AGREEMENT DATED 9/18	Tannenbaum /Steven R	01/01/13	04/30/18	0	514,080	0
		6916134	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	01/01/13	12/31/18	0	282,491	0
		6916135	C	P152000	AGREEMENT DATED 9/18	Cao /Jianshu	01/01/13	12/31/18	0	676,426	0
		6916136	C	P165000	AGREEMENT DATED 9/18	Engelward /Bevin P	01/01/13	04/30/18	0	254,483	0
		6916137	C	P165000	AGREEMENT DATED 9/18	Dedon /Peter C	01/01/13	04/30/18	0	940,161	0
		6916139	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	01/01/13	04/30/18	0	0	0
		6916141	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	01/01/13	04/30/18	0	367	0
		6916142	C	P063007	AGREEMENT DATED 9/18	Adams /Edward E	01/01/13	12/31/18	0	421,684	(0)
		6916143	C	P401862	AGREEMENT DATED 9/18	Norford /Leslie Keith	01/01/13	12/31/18	0	765,740	(0)
		6916144	C	P159400	AGREEMENT DATED 9/18	Wang /Chien	01/01/13	04/30/18	0	645,101	(0)
		6916145	C	P153000	AGREEMENT DATED 9/18	Boyle /Edward A	01/01/13	04/30/18	0	630,387	(0)
		6916146	C	P063007	AGREEMENT DATED 9/18	Shanahan /Peter	01/01/13	04/30/18	0	190,800	(0)
		6916147	C	P063007	AGREEMENT DATED 9/18	Thompson /Janelle Renee	01/01/13	04/30/18	(0)	273,110	(0)
		6916148	C	P035000	AGREEMENT DATED 9/18	Britter /Rex E	01/01/13	04/30/18	0	172,992	0
		6916149	C	P065004	AGREEMENT DATED 9/18	Hover /Franz S	01/01/13	04/30/18	0	91,685	(0)
		6916150	C	P061097	AGREEMENT DATED 9/18	Karaman /Sertac	05/01/13	03/01/16	0	205,315	(0)
		6916151	C	P401862	AGREEMENT DATED 9/18	Van Vliet /Krystyn J	01/01/14	12/31/18	0	0	0
		6916152	C	P065004	AGREEMENT DATED 9/18	Asada /Haruhiko	01/01/14	12/31/18	0	669,152	0
		6916153	C	P065004	AGREEMENT DATED 9/18	Barbastathis /George	01/01/14	12/31/18	0	592,013	0
		6916154	C	P062000	AGREEMENT DATED 9/18	Doyle /Patrick S	01/01/14	12/31/18	0	616,920	0
		6916155	C	P267110	AGREEMENT DATED 9/18	Han /Jongyoon	01/01/14	12/31/18	0	679,846	(0)
		6916156	C	P065004	AGREEMENT DATED 9/18	Kamm /Roger Dale	01/01/14	12/31/18	0	710,887	0
		6916157	C	P065005	AGREEMENT DATED 9/18	So /Peter T. C.	01/01/14	12/31/18	0	569,939	(0)
		6916158	C	P066000	AGREEMENT DATED 9/18	Van Vliet /Krystyn J	01/01/14	12/31/18	0	1,051,579	0
		6916159	C	P065005	AGREEMENT DATED 9/18	Lang /Matthew J	01/01/14	12/31/18	0	167,886	0
		6916161	C	P067952	AGREEMENT DATED 9/18	Tidor /Bruce	01/01/14	12/31/18	0	358,020	0
		6916162	C	P066000	AGREEMENT DATED 9/18	Van Vliet /Krystyn J	01/01/14	12/31/18	(51)	301,100	0
		6916168	C	P066000	AGREEMENT DATED 9/18	Van Vliet /Krystyn J	01/01/14	12/31/18	0	49	0
		6916170	C	P063007	AGREEMENT DATED 9/18	Gonzalez /Marta C.	04/01/14	03/01/16	0	48,107	0

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		6916171	C	P061090	AGREEMENT DATED 9/18	Modiano /Eytan H	04/01/14	03/01/16	0	64,993	0
		6916172	C	P061094	AGREEMENT DATED 9/18	Barrett /Steven R. H.	04/01/14	12/31/18	0	225,464	0
		6916173	C	P062000	AGREEMENT DATED 9/18	Hammond /Paula T	01/01/14	04/30/18	0	323,687	0
		6916176	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/01/14	10/31/15	0	1	1
		6916177	C	P401862	AGREEMENT DATED 9/18	Hart /Anastasios John	11/01/14	06/30/17	0	150,000	(19,401)
		6916178	C	P401862	AGREEMENT DATED 9/18	Shoulders /Matthew D.	11/01/14	10/31/15	0	149,999	0
		6916179	C	P401862	AGREEMENT DATED 9/18	Lienhard /John H	11/01/14	12/31/16	0	150,000	9,807
		6916180	C	P401862	AGREEMENT DATED 9/18	Yue /Dick K. P.	11/01/14	12/31/16	0	150,000	(0)
		6916181	C	P401862	AGREEMENT DATED 9/18	Trancik /Jessica	11/01/14	10/31/15	0	150,000	98
		6916182	C	P401862	AGREEMENT DATED 9/18	Lu /Timothy K	11/01/14	06/30/16	0	150,000	(316)
		6916183	C	P401862	AGREEMENT DATED 9/18	O'Reilly /Una-May	11/01/14	10/31/15	0	150,000	81,801
		6916184	C	P401862	AGREEMENT DATED 9/18	Amarasinghe /Saman P	11/01/14	10/31/15	0	0	(81,801)
		6916185	C	P401862	AGREEMENT DATED 9/18	Lozano-Perez /Tomas	11/01/14	06/30/16	0	128,744	37,077
		6916186	C	P401862	AGREEMENT DATED 9/18	Kaelbling /Leslie P	11/01/14	03/31/16	0	21,256	(37,077)
		6916187	C	P267110	AGREEMENT DATED 9/18	Han /Jongyoon	10/01/14	06/30/15	0	14,977	0
		6916188	C	P401862	AGREEMENT DATED 9/18	Kolpak /Alexie M	11/01/14	10/31/15	0	150,000	99
		6916189	C	P401862	AGREEMENT DATED 9/18	Edelman /Alan	11/01/14	10/31/15	0	150,000	141,957
		6916190	C	P401862	AGREEMENT DATED 9/18	Amarasinghe /Saman P	11/01/14	10/31/15	0	0	(148,016)
		6916191	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/15	12/31/20	0	0	0
		6916192	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/15	12/31/20	0	21,143	21,143
		6916193	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/15	12/31/20	0	50,000	50,000
		6916194	C	P065005	AGREEMENT DATED 9/18	Yue /Dick K. P.	04/01/15	04/30/18	0	183,136	0
		6916195	C	P069201	AGREEMENT DATED 9/18	Lu /Timothy K	04/01/15	04/30/18	0	278,364	0
		6916196	C	P401862	AGREEMENT DATED 9/18	Zhao /Jinhua	01/01/16	12/31/20	0	379,861	379,861
		6916197	C	P068700	AGREEMENT DATED 9/18	Frazzoli /Emilio	01/01/16	12/31/20	0	89,825	0
		6916198	C	P063007	AGREEMENT DATED 9/18	Ben-Akiva /Moshe E	01/01/16	12/31/20	108,193	608,718	(9,735)
		6916199	C	P035000	AGREEMENT DATED 9/18	Ferreira /Joseph	01/01/16	12/31/20	99,233	508,342	12,372
		6916200	C	P068700	AGREEMENT DATED 9/18	Jaillet /Patrick	01/01/16	12/31/20	112,433	723,535	68,662
		6916201	C	P067952	AGREEMENT DATED 9/18	Peh /Li-Shiuan	01/01/16	12/31/20	0	138,763	(0)
		6916202	C	P035000	AGREEMENT DATED 9/18	Ratti /Carlo	01/01/16	12/31/20	121,646	364,184	(22,766)
		6916203	C	P067952	AGREEMENT DATED 9/18	Rus /Daniela L	01/01/16	12/31/20	8,111	245,253	107,110
		6916204	C	P035000	AGREEMENT DATED 9/18	Zegras /Pericles C	01/01/16	12/31/20	147,826	544,306	(42,360)
		6916205	C	P035000	AGREEMENT DATED 9/18	Zhao /Jinhua	01/01/16	12/31/20	172,568	401,575	(76,336)
		6916206	C	P401862	AGREEMENT DATED 9/18	Frazzoli /Emilio	01/01/16	12/31/20	0	306,778	(0)
		6916207	C	P035000	AGREEMENT DATED 9/18	Zhao /Jinhua	01/01/16	12/31/20	0	26	(0)
		6916208	C	P402410	AGREEMENT DATED 9/18	Lienhard /John H	04/01/15	12/31/18	0	191,192	0
		6916209	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/17	12/31/21	0	0	0
		6916210	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/17	12/31/21	0	223,839	162,449
		6916212	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/17	12/31/21	176,543	1,017,940	113,881
		6916213	C	P069850	AGREEMENT DATED 9/18	Antoniadis /Dimitri A	01/01/17	12/31/21	58,577	249,532	(12,435)
		6916214	C	P069850	AGREEMENT DATED 9/18	Buonassisi /Anthony	01/01/17	12/31/21	104,680	515,077	(25,603)
		6916215	C	P069850	AGREEMENT DATED 9/18	Michel /Jurgen	01/01/17	12/31/21	204,947	496,823	(16,558)
		6916216	C	P069850	AGREEMENT DATED 9/18	Thompson /Carl Vernet	01/01/17	12/31/21	154,093	500,682	(11,663)
		6916217	C	P069850	AGREEMENT DATED 9/18	Wang /Evelyn	01/01/17	12/31/21	19,521	351,939	(2,308)
		6916218	C	P069850	AGREEMENT DATED 9/18	Gradecak /Silvija	01/01/17	12/31/21	94,827	502,573	(45,193)

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		6916219	C	P069850	AGREEMENT DATED 9/18	Han /Ruonan	01/01/17	12/31/21	60,804	256,725	1,848
		6916234	C	P062000		Strano /Michael S.	01/01/18	12/31/22	253,266	1,012,132	(17,767)
		6916235	C	P069400		Sinskey /Anthony J	01/01/18	12/31/22	89,935	346,828	(28,093)
		6916236	C	P062000		Stephanopoulos /Gregory	01/01/18	12/31/22	85,247	165,412	(21,580)
		6916237	C	P267200		Ram /Rajeev J	01/01/18	12/31/22	194,558	721,652	20,254
		6916239	C	P062000		Strano /Michael S.	01/01/18	12/31/22	30,459	242,690	85,686
		6919228	C	P065005	AGREEMENT DATED 9/18	So /Peter T. C.	10/01/08	12/31/13	0	80,000	30,790
		6919394	C	P065006	AGREEMENT DATED 9/18	Barbastathis /George	04/01/09	03/31/12	0	15,931	0
		6920246	C	P401862	AGREEMENT DATED 9/18	Norford /Leslie Keith	01/01/12	12/31/12	0	66	0
		6920248	C	P401862	AGREEMENT DATED 9/18	Frazzoli /Emilio	01/01/12	03/01/16	0	167	(0)
		6920249	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/12	03/31/14	0	391	0
		6923596	C	P063007	AGREEMENT DATED 9/18	Hemond /Harold F	01/01/10	12/31/12	0	10,168	0
		6927134	C	P401511	AGREEMENT DATED 9/18	Wang /Evelyn	12/01/12	03/31/14	0	16,280	0
		6933088	C	P065005	AGREEMENT DATED 9/18	Yue /Dick K. P.	04/01/15	12/31/17	(1,236)	29,333	0
		6934575	C	P069850	AGREEMENT DATED 9/18	Wang /Evelyn	09/01/14	03/31/17	0	16,532	0
		6938229	C	P035000	AGREEMENT DATED 9/18	Zhao /Jinhua	04/01/18	12/31/20	118,380	279,916	13,045
		6939847	C	P267200		Ram /Rajeev J	01/01/18	01/08/19	0	94,951	0
		6939848	C	P267200		Ram /Rajeev J	01/01/18	01/01/19	0	9,391	0
		6940890	C	P417500	AGREEMENT DTD 10 MAY	Han /Jongyoon	06/01/19	05/31/24	0	0	0
		6940893	C	P417500	AGREEMENT DTD 10 MAY	Boyer /Laurie Ann	06/01/19	05/31/24	0	0	0
		6940916	C	P417500	AGREEMENT DTD 10 MAY	Springs /Stacy	06/01/19	05/31/24	0	0	0
		6940918	C	P417500	AGREEMENT DTD 10 MAY	Han /Jongyoon	06/01/19	05/31/24	0	0	0
		6940921	C	P417500	AGREEMENT DTD 10 MAY	Lu /Timothy K	06/01/19	05/31/24	0	0	0
		6940931	C	P417500	AGREEMENT DTD 10 MAY	Ram /Rajeev J	06/01/19	05/31/24	0	0	0
		6940940	C	P417500	AGREEMENT DTD 10 MAY	Barbastathis /George	06/01/19	05/31/24	0	0	0
		6941023	C	P417500	AGREEMENT DTD 10 MAY	Van Vliet /Krystyn J	06/01/19	05/31/24	0	0	0
		6941162	C	P267200	AGREEMENT DATED 9/18	Ram /Rajeev J	01/02/19	05/20/20	0	0	0
		6941221	C	P267200	AGREEMENT DATED 9/18	Ram /Rajeev J	01/02/19	08/31/19	0	0	0
		6941713	C	P063007	MOD8	Marelli /Benedetto	04/01/19	12/31/22	126,628	111,729	(14,899)
		6942037	C	P061097	ING-000865 ENG	Cahoy /Kerri	10/01/19	03/31/20	0	0	0
		6942614	C	P401862	AGREEMENT DTD 10 MAY	Van Vliet /Krystyn J	06/01/19	05/31/24	1,155	0	(1,155)
		6942616	C	P417500	AGREEMENT DTD 10 MAY	Han /Jongyoon	06/01/19	05/31/24	27,672	64,243	36,571
		6942617	C	P417500	AGREEMENT DTD 10 MAY	Van Vliet /Krystyn J	06/01/19	05/31/24	51,915	64,243	12,328
		6942618	C	P417500	AGREEMENT DTD 10 MAY	Birnbaum /Michael E	06/01/19	05/31/24	38,933	64,243	25,310
		6942619	C	P417500	AGREEMENT DTD 10 MAY	Boyer /Laurie Ann	06/01/19	05/31/24	94,400	80,663	(13,736)
		6942623	C	P417500	AGREEMENT DTD 10 MAY	So /Peter T. C.	06/01/19	05/31/24	0	41,120	41,120
		6942629	C	P417500	AGREEMENT DTD 10 MAY	Tidor /Bruce	06/01/19	05/31/24	0	2,365	2,365
		6942632	C	P417500	AGREEMENT DTD 10 MAY	Springs /Stacy	06/01/19	05/31/24	67,705	80,663	12,958
		6942634	C	P417500	AGREEMENT DTD 10 MAY	Han /Jongyoon	06/01/19	05/31/24	4,781	16,421	11,640
		6942637	C	P417500	AGREEMENT DTD 10 MAY	Lu /Timothy K	06/01/19	05/31/24	19,193	41,120	21,927
		6942638	C	P417500	AGREEMENT DTD 10 MAY	Doyle /Patrick S	06/01/19	05/31/24	11,047	41,120	30,073
		6942644	C	P417500	AGREEMENT DTD 10 MAY	Strano /Michael S.	06/01/19	05/31/24	0	2,365	2,365
		6942648	C	P417500	AGREEMENT DTD 10 MAY	Ram /Rajeev J	06/01/19	05/31/24	14,451	57,541	43,089
		6942649	C	P417500	AGREEMENT DTD 10 MAY	Van Vliet /Krystyn J	06/01/19	05/31/24	411	16,421	16,009
		6942651	C	P417500	AGREEMENT DTD 10 MAY	Birnbaum /Michael E	06/01/19	05/31/24	8,829	16,421	7,592

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		6942657	C	P417500	AGREEMENT DTD 10 MAY	Barbastathis /George	06/01/19	05/31/24	7,014	61,878	54,865
		6942658	C	P417500	AGREEMENT DTD 10 MAY	Fang /Xuanlai	06/01/19	05/31/24	0	2,365	2,365
		6942659	C	P417500	AGREEMENT DTD 10 MAY	Hart /Anastasios John	06/01/19	05/31/24	0	2,365	2,365
		6942662	C	P417500	AGREEMENT DTD 10 MAY	Zhao /Xuanhe	06/01/19	05/31/24	0	2,365	2,365
		6942664	C	P417500	AGREEMENT DTD 10 MAY	Van Vliet /Krystyn J	06/01/19	05/31/24	38,900	298,204	259,304
		Total by Primary Sponsor							2,927,628	85,449,693	(949,903)
001140 Malaysian Palm Oil Board	001140 Malaysian Palm Oil Board	6930207	C	P151053	AGRMNT DTD 11/25/2014	Rha /Chokyun	05/01/14	07/31/19	5,938	1,253,272	(140,784)
		6930208	C	P151053	AGRMNT DTD 10/1/10	Rha /Chokyun	05/01/14	07/31/19	10,791	1,712,985	(163,858)
		Total by Primary Sponsor							16,730	2,966,257	(304,642)
001149 Rwanda Ministry of Education	001149 Rwanda Ministry of Education	6927234	C	P159400	AGREEMENT DATED 7/1/12	Prinn /Ronald G	07/01/12	06/30/20	38,549	806,186	3,154
		6941251	C	P159400	AGREEMENT DATED 7/1/12	Prinn /Ronald G	07/01/19	06/30/20	74,251	93,005	18,754
		Total by Primary Sponsor							112,800	899,191	21,908
001160 Ministry of Education	010052 Singapore-MIT Alliance for Research and Technology Centre	6916174	C	P165000	MOU DATED 1/21/09	Engelward /Bevin P	08/18/14	02/16/15	0	9,904	0
		6916175	C	P165000	MOU DATED 1/21/09	Engelward /Bevin P	08/18/14	12/29/14	0	9,904	0
		6920240	C	P401862	MOU DATED 1/21/09	Hastings /Daniel E	01/21/09	01/31/18	0	5,032	5,032
		6920241	C	P401862	MOU DATED 1/21/09	Hastings /Daniel E	01/21/09	01/31/18	0	0	(2,222)
		6920242	C	P401862	MOU DATED 1/21/09	Hastings /Daniel E	01/21/09	01/31/18	0	160	(464)
		6920243	C	P401862	MOU DATED 1/21/09	Hastings /Daniel E	01/21/09	01/31/18	0	77	77
		6929341	C	P165000	MOU DATED 1/21/09	Dedon /Peter C	04/01/14	11/07/14	0	9,808	0
		6931304	C	P402000	MOU DATED 1/21/09	Chen /Jianzhu	09/29/14	03/29/15	0	9,294	0
		Total by Primary Sponsor							0	44,179	2,423
001176 Massachusetts Clean Energy Center	001176 Massachusetts	6942344	C	P065005	AGMT DTD. 8/2/19	Wang /Evelyn	08/15/19	07/15/20	64,228	65,000	772
		Total by Primary Sponsor							64,228	65,000	772
001180 Massachusetts Life Sciences Center	001180 Massachusetts Life Sciences Center	6929282	C	P400600	AGRMNT DTD 12/2013	Graybiel /Ann M	12/15/13	12/14/14	0	200,128	0
		6931689	C	P400600	MLSC	Feng /Guoping	03/31/15	06/30/16	0	1,838,000	1,376
		6941107	C	P069400		Braatz /Richard D	07/01/19	06/30/21	0	1,198,000	1,198,000
		6941267	C	P069400	AGMT DTD 8/7/19	Sinskey /Anthony J	07/01/19	06/30/21	369,364	1,476,760	1,107,397
		6942408	C	P069400	GRANT AGREEMENT PC2	Braatz /Richard D	09/01/19	02/28/21	66,094	191,693	125,599
		6943175	C	P069400	GRANT AGREEMENT PC2	Braatz /Richard D	09/01/19	01/30/21	33,813	34,307	495
		6943363	C	P069400	AGMT DTD 8/7/19	Sinskey /Anthony J	05/29/20	06/30/20	0	9,114	9,114
		6943379	C	P069400	AGMT DTD 8/7/19	Sinskey /Anthony J	05/29/20	06/30/20	0	14,126	14,126
		Total by Primary Sponsor							469,270	4,962,128	2,456,106
001220 Transport for London	001220 Transport for London	6922928	C	P069500	PO #310-100-2379	Zhao /Jinhua	07/01/10	12/31/20	354,732	8,210,769	7,456
		6923700	C	P063007	AGMT. DTD. 5/1/05	Wilson /Nigel H M	06/01/11	06/30/12	0	58,952	0
		6925850	C	P063007	AGMT. DTD. 7/1/10	Wilson /Nigel H M	04/01/13	09/30/13	0	25,245	(0)

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	Total by Primary Sponsor								354,732	8,294,966	7,456
001237 Ningbo Municipal Government	102345 Ningbo Institute	6936774	C	P267500	AGMT EFF. 9/1/17	Kirtley /James L	09/01/17	08/31/18	0	149,723	54,819
	Total by Primary Sponsor								0	149,723	54,819
001275 The World Bank	102685 Thompson Design	6935751	C	P031000	IWAI/WB/NW-/10/4/2015	Dutta /Arindam	12/20/16	06/30/19	0	77,400	60,146
	103504 TATA Power-De	6939545	C	P320000	AGMT DTD 4/1/18	Stoner /Robert	04/01/18	08/31/19	7,455	85,000	0
	Total by Primary Sponsor								7,455	162,400	60,146
001290 Department of Foreign Affairs and Trade	001290 Department of Foreign Affairs and Trade	6926847	C	P091020	63385	Olken /Benjamin	11/08/12	12/31/17	(21,126)	2,209,399	(0)
		6926925	C	P091020	63385	Olken /Benjamin	11/08/12	12/31/17	(39)	324,000	0
		6926926	C	P091020	63385	Olken /Benjamin	11/08/12	12/31/17	(14,000)	3,300,000	0
		6936436	C	P091020	GA 73494	Olken /Benjamin	06/01/17	12/31/21	2,268,474	1,000,000	(3,240,589)
		6936437	C	P091020	GA 73494	Olken /Benjamin	06/01/17	12/31/21	0	3,000,000	3,000,000
		6941287	C	P091020	GA 73494	Olken /Benjamin	10/01/18	12/31/21	0	90,000	90,000
	Total by Primary Sponsor								2,233,309	9,923,399	(150,589)
002043 Aerospace Corporation	002043 Aerospace Corporation	6939514	C	P061094	PO 4600006517	Spakovszky /Zoltan S	09/01/18	10/31/20	98,496	212,069	30,685
		6939813	C	P061097	PO# 4600006516	Cahoy /Kerri	09/01/18	08/31/20	81,167	175,839	(5,467)
	Total by Primary Sponsor								179,663	387,908	25,218
002067 Amgen	002067 Amgen	6935602	C	P069201	PO 7300130614	Griffith /Linda G	01/01/17	06/06/20	111,064	379,360	19,331
		6935603	C	P069201	PO# 7200972245	Kamm /Roger Dale	01/01/17	12/29/20	62,942	573,316	97,560
		6937879	C	P062000	2017771309	Hammond /Paula T	12/18/17	12/17/22	0	0	0
		6937898	C	P062000	2017771309-002	Braatz /Richard D	12/20/17	12/31/19	68,418	191,003	0
		6937899	C	P062000	2017771309-001	Strano /Michael S.	12/18/17	06/18/19	301	269,805	0
		6938986	C	P067952	CONTRACT NO. 5562031	Barzilay /Regina	06/15/18	12/31/18	0	57,066	419
		6939945	C	P069201	AMGEN CONTRACT NO.81	Griffith /Linda G	09/01/18	12/31/19	106,645	173,653	(0)
		6940170	C	P062000	2017771309-001	Strano /Michael S.	01/01/19	03/31/19	0	6,251	0
		6940552	C	P062000	2017771309-001	Strano /Michael S.	03/01/19	06/18/19	0	12,439	0
	Total by Primary Sponsor								349,370	1,662,892	117,310
002109 American Telephone & Telegraph, Company	002109 American Telep	9843500	C	P152000	LETTER DATED 9/2/86	Ceyer /Sylvia Teresse	10/01/86	12/31/99	0	25,639	10,661
	Total by Primary Sponsor								0	25,639	10,661
002132 Analog Devices, Incorporated	002132 Analog Devices Incorporated	6923889	C	P060600	AGRMT DATED 5/3/11	Sodini /Charles G	05/06/11	12/01/20	18,792	203,460	34,456
		6923898	C	P060600	AGRMT DATED 5/3/11	Sodini /Charles G	05/06/11	12/01/20	82,164	1,478,234	33,443
		6923899	C	P267111	AGRMT DATED 5/3/11	Voldman /Joel	05/06/11	07/31/12	0	45,776	0
		6925817	C	P267600	AGRMT DATED 5/3/11	Stultz /Collin M	05/06/11	07/31/13	0	25,017	(0)
		6929836	C	P065004	AGRMT DATED 5/3/11	Kim /Sang-Gook	05/06/11	11/05/17	0	235,513	(0)
		6932997	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	11/01/15	10/31/20	142,466	775,120	(13,155)
		6933389	C	P060600	PO # 45674134 / AGMT DT	del Alamo /Jesus A	12/31/15	12/31/21	0	935,904	935,904

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		6933446	C	P152000	AGMT DTD 12/31/2015	Dinca /Mircea	12/31/15	12/31/19	0	701,822	(0)
		6933447	C	P267500	AGMT DTD 12/31/2015	Lang /Jeffrey H	12/31/15	12/31/19	(2,669)	450,000	0
		6933448	C	P067952	AGMT DTD 12/31/2015	Jaakkola /Tommi S	12/31/15	12/31/16	0	50,513	(0)
		6933449	C	P067952	AGMT DTD 12/31/2015	Jegelka /Stefanie Sabrina	12/31/15	12/31/16	0	13,192	0
		6933450	C	P068700	AGMT DTD 12/31/2015	Sra /Suvrit	12/31/15	06/30/16	0	26,831	(0)
		6933451	C	P060600	AGMT DTD 12/31/2015	Sze /Vivienne	12/31/15	12/31/16	0	5,763	(9,461)
		6933452	C	P060600	AGMT DTD 12/31/2015	Chandrakasan /Anantha P	12/31/15	07/31/16	0	16,890	0
		6933453	C	P060600	AGMT DTD 12/31/2015	Devadas /Srinivas	12/31/15	12/31/19	(35,038)	240,000	3,639
		6933454	C	P060600	AGMT DTD 12/31/2015	Vaikuntanathan /Vinod	12/31/15	12/31/17	0	197,545	(4,910)
		6933558	C	P152000	AGMT DTD 12/31/2015	Dinca /Mircea	12/31/15	03/31/16	0	25,178	0
		6934804	C	P267110	AGRMT DATED 5/3/11	Voldman /Joel	09/01/16	12/01/20	0	148,000	0
		6935238	C	P060600	AGMT DTD 12/31/2015	Sze /Vivienne	10/01/16	06/30/20	138,140	389,980	273
		6935301	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	01/01/17	12/31/17	0	94,959	0
		6935302	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	01/15/17	01/15/19	0	191,162	(1)
		6935307	C	P060600	AGMT DTD 12/1/2016	Shulaker /Max M.	12/01/16	03/31/21	2,642	726,485	256,107
		6935641	C	P060600	AGMT DTD 12/31/2015	Shulaker /Max M.	02/01/17	08/31/21	103,379	747,000	516,538
		6936084	C	P060600	AGMT DTD 12/1/2016	Shulaker /Max M.	02/01/17	03/31/20	0	43,515	35,408
		6936386	C	P061093	AGMT DATED 1/1/17	Wardle /Brian L	01/01/17	12/31/18	0	50,275	25
		6937273	C	P060600	AGMT DTD 12/31/2015	Lee /Hae-Seung	09/01/17	08/31/21	124,787	469,611	153,092
		6937726	C	P060600	AGRMT DATED 5/3/11	Shulaker /Max M.	11/01/17	12/01/20	9,284	294,000	205,159
		6938335	C	P062000	SRA DTD 05/01/2018	Gleason /Karen K	05/01/18	07/31/20	119,530	270,000	(4,137)
		6938342	C	P060600	AGMT DTD 12/31/2015 - Al	Antoniadis /Dimitri A	04/01/18	03/31/19	0	29,772	0
		6938618	C	P060600	PER AMENDMENT 7	Chandrakasan /Anantha P	02/01/18	12/31/20	87,052	240,000	36,734
		6938619	C	P060600	PER AMENDMENT 7	Devadas /Srinivas	05/01/18	06/30/20	221,293	240,000	(5,662)
		6938906	C	P267500	AGRMT DATED 5/3/11	Stultz /Collin M	07/01/18	12/01/20	83,734	196,000	63,551
		6940030	C	P060600	PO # 45674134 / AGMT DT	Shulaker /Max M.	02/01/19	01/31/21	46,077	240,000	191,355
		6940194	C	P060600	PER AMENDMENT 7	Lee /Hae-Seung	02/01/18	06/30/21	156,687	240,000	42,560
		6940949	C	P067952	PO # 45674134 / AGMT DT	Vaikuntanathan /Vinod	10/01/19	10/15/22	3,751	240,000	236,249
		6942211	C	P060600	PO # 45674134 / AGMT DT	Shavit /Nir N.	01/16/20	01/15/21	43,422	200,000	156,578
		6942289	C	P061901	AGRMT DATED 5/3/11	Heldt /Thomas	12/01/19	12/01/20	39,786	74,000	34,214
		6942717	C	P060600	PO # 45674134 / AGMT DT	Boning /Duane S	01/01/20	12/31/21	54,711	300,000	245,289
		Total by Primary Sponsor							1,439,990	10,851,516	3,143,247
002145 Apple, Incorporated	002145 Apple, Incorporated	6937535	C	P065005	PO 6000322254	Slocum /Alexander H	09/01/17	07/31/19	6,340	215,897	0
		6940280	C	P417500	PO 6000374856	Allanore /Antoine	11/01/18	10/31/20	106,512	273,394	135,277
		6940837	C	P440107	AGMT DATED 4/29/2019	Frey /Daniel	03/01/19	01/15/20	67,348	91,354	13,602
		6941652	C	P066000	RPP SIGNED X	Olivetti /Elsa A	08/15/19	08/31/20	57,292	69,559	12,267
	Total by Primary Sponsor								237,492	650,204	161,146
002171 ABB Corporate Research Limited	002171 ABB Corporate Research Limited	6918190	C	P320000	ABB MITEI SUSTAINING M	Armstrong /Robert C	01/01/08	08/31/15	0	1,231	1,231
		6918191	C	P320000	ABB MITEI SUSTAINING M	Hu /Lin-Wen	08/01/08	01/31/11	0	321,103	(0)
		6918192	C	P320000	ABB MITEI SUSTAINING M	Hu /Lin-Wen	08/01/08	07/31/09	0	19,504	0
		6918193	C	P320000	ABB MITEI SUSTAINING M	Ernst /Michael D	07/01/08	06/30/09	0	102,466	(0)
		6918194	C	P320000	ABB MITEI SUSTAINING M	Ernst /Michael D	07/01/08	06/30/09	0	74,423	0

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		6918195	C	P320000	ABB MITEI SUSTAINING M	Spakovszky /Zoltan S	09/01/09	08/31/15	0	1,517,802	(0)
		6920595	C	P320000	ABB MITEI SUSTAINING M	Cummings /Mary L	06/01/10	10/31/12	0	227,188	0
		6922652	C	P320000	ABB MITEI SUSTAINING M	Zahn /Markus	07/01/10	06/30/14	0	346,800	0
		6924110	C	P320000	ABB MITEI SUSTAINING M	Spakovszky /Zoltan S	04/01/11	08/31/14	0	95,482	0
	Total by Primary Sponsor								0	2,706,000	1,231
002199 BASF	002199 BASF	6935124	C	P152000	AGMT. DTD. 9/1/2016	Swager /Timothy M	10/01/16	06/30/19	(1,922)	340,000	0
		6935308	C	P065004	AGMT DTD 12/6/16	Fang /Xuanlai	01/01/17	11/30/19	10,114	340,000	160
		6940870	C	P065004	AGMT DTD. 9/1/18	Fang /Xuanlai	05/01/19	10/31/20	175,501	200,000	24,499
		6941795	C	P402400		Fernandez /John	09/01/19	08/31/20	64,794	90,000	25,206
		6942140	C	P065005	87767533	Winter /Amos G	01/01/20	12/31/20	13,941	160,000	146,059
	Total by Primary Sponsor								262,429	1,130,000	195,923
002204 Bayer, A.C	002204 Bayer, A.G.	6937276	C	P067952	PURCHASE ORDER NO. 2	Barzilay /Regina	12/15/17	05/31/18	37	99,582	0
		6941461	C	P060051	PO 2950074199	Barzilay /Regina	11/01/19	03/31/20	0	0	0
		6942031	C	P067952	PO 2950074199	Barzilay /Regina	11/01/19	03/31/20	149,869	150,000	131
	Total by Primary Sponsor								149,906	249,582	131
002231 ARAMCO Services Company	002231 ARAMCO Services Company	6926345	C	P320000	ARAMCO SERVICES CO C	Armstrong /Robert C	09/01/12	11/30/21	0	1,675,797	1,675,797
		6927042	C	P320000	ARAMCO SERVICES CO C	Hatton /Trevor Alan	09/01/12	08/31/15	0	1,024,582	0
		6927994	C	P320000	ARAMCO SERVICES CO C	Swager /Timothy M	06/15/13	10/31/14	0	332,649	0
		6927995	C	P320000	ARAMCO SERVICES CO C	Doyle /Patrick S	06/15/13	10/31/14	0	164,342	0
		6927996	C	P320000	ARAMCO SERVICES CO C	Hatton /Trevor Alan	06/15/13	10/31/14	0	275,750	0
		6927997	C	P320000	ARAMCO SERVICES CO C	Darmofal /David L	06/15/13	06/30/17	0	800,000	(0)
		6928405	C	P320000	ARAMCO SERVICES CO C	Surendranath /Yogesh	08/05/13	08/21/15	0	1,195,276	0
		6929072	C	P320000	ARAMCO SERVICES CO C	Stephanopoulos /Gregory	06/01/13	01/31/15	0	92,550	(0)
		6929073	C	P320000	ARAMCO SERVICES CO C	Williams /John R	01/01/14	12/31/15	0	200,000	0
		6929215	C	P320000	ARAMCO SERVICES CO C	Edelman /Alan	07/13/13	06/30/17	0	644,873	0
		6929568	C	P039010	AGREEMENT DATED 11/1	Bove /V Michael	11/01/13	12/31/16	0	479,243	0
		6929569	C	P039010	AGREEMENT DATED 11/1	Raskar /Ramesh	11/01/13	12/31/16	0	475,165	(0)
		6929570	C	P039010	AGREEMENT DATED 11/1	Paradiso /Joseph A	11/01/13	12/31/16	0	478,566	0
		6929571	C	P039010	AGREEMENT DATED 11/1	Ishii /Hiroshi	11/01/13	12/31/16	0	392,580	0
		6929572	C	P039010	AGREEMENT DATED 11/1	Maes /Patricia	11/01/13	12/31/16	0	480,056	0
		6929573	C	P039010	AGREEMENT DATED 11/1	Ito /Joichi	11/01/13	12/31/16	0	576,664	0
		6929631	C	P320000	ARAMCO SERVICES CO C	Juanes /Ruben	04/01/14	03/31/17	0	1,100,000	0
		6930388	C	P320000	ARAMCO SERVICES CO C	Dinca /Mircea	08/01/14	07/31/19	30,585	2,485,948	(0)
		6930626	C	P320000	ARAMCO SERVICES CO C	Green /William H	09/01/14	08/31/18	0	993,703	(0)
		6930627	C	P320000	ARAMCO SERVICES CO C	Ghoniem /Ahmed F	09/01/14	08/31/18	0	790,000	(0)
		6930839	C	P320000	ARAMCO SERVICES CO C	Roman /Yuriy	10/01/14	09/30/19	37,072	1,694,875	(0)
		6931038	C	P320000	ARAMCO SERVICES CO C	Han /Jongyoon	09/01/14	12/31/15	0	100,000	0
		6931039	C	P320000	ARAMCO SERVICES CO C	Buie /Cullen	09/01/14	12/31/15	0	100,000	0
		6931140	C	P320000	ARAMCO SERVICES CO C	Green /William H	09/01/14	08/31/18	0	614,416	0
		6931942	C	P320000	ARAMCO SERVICES CO C	Bazant /Martin Z	06/01/15	05/31/18	0	599,890	(0)
		6932299	C	P039010	AGREEMENT DATED 11/1	Ishii /Hiroshi	11/01/13	10/31/16	0	82,914	0

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6932745	C	P320000	ARAMCO SERVICES CO C	Roman /Yuriy	09/09/15	01/31/17	0	37,416	0
		6934961	C	P320000	ARAMCO SERVICES CO C	Dinca /Mircea	09/22/16	03/31/17	0	12,067	0
		6935533	C	P320000	ARAMCO SERVICES CO C	Wang /Qiqi	01/01/17	12/31/19	123,268	437,217	0
		6935569	C	P320000	ARAMCO SERVICES CO C	Swager /Timothy M	01/01/17	12/31/18	0	400,000	(0)
		6935599	C	P320000	ARAMCO SERVICES CO C	Jensen /Klavs F	04/01/17	08/31/20	135,618	400,000	9,123
		6935720	C	P320103	ARAMCO SERVICES CO C	Smith /Zachary P	02/01/17	07/31/18	0	200,000	(0)
		6935878	C	P320000	ARAMCO SERVICES CO C	Darmofal /David L	06/01/17	05/31/21	176,169	800,000	199,750
		6936216	C	P320000	ARAMCO SERVICES CO C	Buonassisi /Anthony	04/01/17	07/31/18	0	149,648	0
		6936224	C	P320102	ARAMCO SERVICES CO C	Varanasi /Kripa	04/01/17	09/30/18	0	150,000	27,884
		6936230	C	P320103	ARAMCO SERVICES CO C	Hatton /Trevor Alan	04/15/17	07/31/18	0	186,646	0
		6936302	C	P320102	ARAMCO SERVICES CO C	Willard /Adam P.	04/15/17	04/14/18	0	87,813	0
		6936394	C	P320103	ARAMCO SERVICES CO C	Roman /Yuriy	04/01/17	06/04/18	0	135,931	0
		6936410	C	P320102	ARAMCO SERVICES CO C	Grossman /Jeffrey C.	04/15/17	07/31/18	0	185,979	0
		6936411	C	P320000	ARAMCO SERVICES CO C	Edelman /Alan	07/01/17	06/30/21	354,087	472,180	(98,076)
		6936574	C	P153000	ASC CONTRACT NO. A-02	Jagoutz /Oliver E	05/01/17	10/31/22	329,794	1,432,997	372,424
		6936987	C	P062000	CONTRACT# A-0434-2017	Bazant /Martin Z	09/01/17	09/19/20	61,052	400,000	(0)
		6937153	C	P320103	ARAMCO SERVICES CO C	Hatton /Trevor Alan	09/04/17	04/15/18	0	13,354	0
		6937473	C	P063007	A-0466-2017	Buyukozturk /Oral	10/01/17	12/31/19	72,164	400,000	(0)
		6939372	C	P320000	ARAMCO SERVICES CO C	Barrett /Steven R. H.	09/01/18	01/31/21	213,726	698,749	355,453
	6940087	C	P320000	ARAMCO SERVICES CO C	Smith /Zachary P	12/01/18	11/30/21	194,263	500,000	147,217	
Total by Primary Sponsor									1,727,797	24,949,835	2,689,574
002260 Aurora Flight Sciences Corporation	002260 Aurora Flight Sciences Corporation	6940519	C	P067952	AGMT. DTD. 04/01/2019	Madry /Aleksander	04/01/19	12/31/19	43,938	81,742	80
		6941645	C	P066000	TBD	Chiang /Yet-Ming	09/01/19	08/31/20	52,903	125,000	72,097
		6941755	C	P061093	TBD	Hansman /Robert J	08/01/19	12/20/19	43,270	43,259	(12)
		6941989	C	P061090	AGMT. DTD. 10/01/2019	How /Jonathan P	10/01/19	12/20/19	30,120	30,145	25
	Total by Primary Sponsor									170,232	280,146
002282 Biogen Research Corporation	002282 Biogen Research Corporation	6938977	C	P069201	PO #940101/995583	Kamm /Roger Dale	06/01/18	02/28/21	138,823	455,211	161,362
	Total by Primary Sponsor									138,823	455,211
002300 Boeing	002300 Boeing	6895895	C	P391000	9M-PS02-TMS07-0003: BO	Nicholas /Danforth A.	02/01/04	12/31/19	0	7	7
		6931806	C	P061093	MIT-BA-GTA-1 RPP 693181	Willcox /Karen E	06/01/15	12/31/19	42,847	599,305	(93)
		6932545	C	P067952	MIT-BA-GTA-1- RPP 693255	Rus /Daniela L	01/01/16	12/31/19	166,144	1,000,000	(78)
		6933101	C	P067952	MIT-BA-GTA-1 RPP 693311	Williams /Brian C	01/01/16	12/31/19	21,393	750,000	(55,574)
		6934820	C	P061093	MIT-BA-GTA-1 RPP 693482	Darmofal /David L	01/01/17	12/31/19	7,176	420,000	(18)
		6935334	C	P065004	MIT-BA-GTA-1 RPP 693533	Annaswamy /Anuradha M	01/01/17	12/31/20	133,451	825,000	102,619
		6935786	C	P061090	MRA# 2017-656	How /Jonathan P	06/01/17	05/31/21	166,409	865,000	439,880
		6937228	C	P061094	MRA# 2017-656	Guerra Garcia /Carmen	08/01/17	08/31/20	209,126	703,755	73,259
		6937519	C	P061090	MRA# 2017-656	How /Jonathan P	09/01/17	05/31/21	6,488	150,000	113,911
		6938814	C	P061090	MRA# 2017-656	Hastings /Daniel E	01/01/18	12/31/19	75,000	225,000	0
		6940034	C	P267100	#2018-BRT-PA-335	Vuletic /Vladan	12/17/18	12/31/20	123,759	400,000	172,768
		6940111	C	P067952	#Z0918-5060	Rinard /Martin C	12/01/18	11/30/20	186,865	428,445	235,566
		6942488	C	P061093	MRA# 2017-656	Darmofal /David L	01/01/20	12/31/22	68,881	150,000	81,119

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		6943358	C	P067952	2020-BRT-PA-021	Williams /Brian C	04/30/20	04/29/21	19,979	200,000	180,021
	Total by Primary Sponsor								1,227,516	6,716,512	1,343,385
002312 Bose Corporation	002312 Bose Corporation	6938209	C	P039010	AGREEMENT EFF 12/1/20	Maes /Patricia	12/01/17	03/31/20	50,869	205,000	1,510
		6941248	C	P093800	PO# 4900060503	Tan /Philip B	06/01/19	04/30/20	104,888	104,888	(0)
	Total by Primary Sponsor								155,758	309,888	1,510
002314 Robert Bosch GmbH	002314 Robert Bosch GmbH	6915467	C	P066000	RES. AGMT. DTD. 1/1/07	Ceder /Gerbrand	01/01/07	12/31/17	0	1,467,382	0
	Total by Primary Sponsor								0	1,467,382	0
002331 Boeing North America, Incorporated	002331 Boeing North America, Incorporated	6936308	C	P065004	MRA# 2017-656	Asada /Haruhiko	10/01/17	10/31/18	(1,800)	88,111	0
		6937521	C	P065004	MRA# 2017-656	Asada /Haruhiko	10/10/17	10/30/18	0	11,889	0
		6940265	C	P067952	#Z1218-5078	Rus /Daniela L	01/01/19	12/31/21	84,232	750,000	665,768
	Total by Primary Sponsor								82,432	850,000	665,768
002352 British Petroleum Company, Limited	007016 BP Technology Ventures Inc.	6915090	C	P320000	AMENDMENT 2 (EFF 3/1/2	Armstrong /Robert C	09/01/06	12/31/18	0	1,758,098	270
		6915091	C	P320000	RES. AGMT. EFF. 9/1/06	Herzog /Howard J	09/01/06	08/31/14	0	3,627,998	(0)
		6915092	C	P320000	RES. AGMT. EFF. 9/1/06	Ghoniem /Ahmed F	09/01/06	08/31/13	0	2,261,848	(0)
		6915093	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/06	12/31/13	0	1,415,908	(0)
		6915094	C	P320000	RES. AGMT. EFF. 9/1/06	Jacoby /Henry D	09/01/06	02/28/13	0	2,065,937	0
		6915095	C	P320000	RES. AGMT. EFF. 9/1/06	Parsons /John E	09/01/06	08/31/12	0	1,327,012	0
		6915830	C	P320000	RES. AGMT. EFF. 9/1/06	Strano /Michael S.	09/01/06	01/31/12	0	444,495	0
		6915945	C	P320000	RES. AGMT. EFF. 9/1/06	Ghoniem /Ahmed F	09/01/06	08/31/08	0	49,783	0
		6915946	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/06	01/31/09	0	10,948	0
		6917033	C	P320000	RES. AGMT. EFF. 9/1/06	Peters /Jonas C	10/01/07	02/28/10	0	779,617	0
		6917034	C	P320000	RES. AGMT. EFF. 9/1/06	Cummins /Christopher C	10/01/07	05/31/11	0	555,148	0
		6917035	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	10/01/07	12/31/12	0	988,628	0
		6917036	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	10/01/07	08/31/12	0	58,708	(0)
		6917037	C	P320000	RES. AGMT. EFF. 9/1/06	Barton /Paul I	10/01/07	08/31/13	0	1,231,022	0
		6917038	C	P320000	RES. AGMT. EFF. 9/1/06	Brisson /John G	10/01/07	08/31/12	0	449,688	0
		6917039	C	P320000	RES. AGMT. EFF. 9/1/06	Polenske /Karen R	10/01/07	06/30/09	0	99,778	0
		6917041	C	P320000	RES. AGMT. EFF. 9/1/06	Frenchman /Dennis M	10/01/07	06/30/09	0	47,176	(0)
		6917550	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	04/01/08	05/31/09	0	45,977	0
		6921078	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	12/01/09	07/31/12	0	70,224	0
		6922721	C	P320000	RES. AGMT. EFF. 9/1/06	Strano /Michael S.	09/02/10	05/31/11	0	18,902	0
		6924458	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/11	12/31/13	0	284,576	(0)
		6924725	C	P320000	RES. AGMT. EFF. 9/1/06	Heywood /John B	09/01/11	11/30/13	0	286,858	0
	Total by Primary Sponsor								0	17,878,329	270
002439 Chevron Energy Technology Company	002439 Chevron Energy Technology Company	6917475	C	P062000	CHEVRON-MIT UPP AGR.	Gleason /Karen K	01/01/08	12/31/09	0	121,972	0
		6917476	C	P065002	CHEVRON-MIT UPP AGR.	Hosoi /Anette E	01/01/08	06/30/09	0	23,000	0
		6917477	C	P066000	CHEVRON-MIT UPP AGR.	Sadoway /Donald Robert	01/01/08	06/30/09	0	74,959	(0)
		6917478	C	P065002	CHEVRON-MIT UPP AGR.	Barbastathis /George	01/16/08	06/30/09	0	22,800	(0)

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		6917479	C	P266300	CHEVRON-MIT UPP AGR.	Chryssostomidis /Chryssostomo	01/01/08	12/31/08	0	24,606	(0)
		6917480	C	P065005	CW1251339 MITEI SO#150	Triantafyllou /Michael S	10/01/07	12/31/18	0	412,071	7
		6917481	C	P062000	CHEVRON MITEI SUSTAIN	Barton /Paul I	01/01/08	12/31/11	0	360,000	0
		6917482	C	P065005	CW1251339 MITEI SO#150	Liu /Yuming	01/01/08	12/31/14	0	919,996	(0)
		6917483	C	P062000	CHEVRON MITEI SUSTAIN	Armstrong /Robert C	01/01/08	12/31/15	0	411,794	(0)
		6917484	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	01/01/08	06/30/13	0	370,737	(0)
		6917485	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	01/01/08	12/31/12	0	318,809	(0)
		6917654	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	01/01/08	06/30/09	0	41,805	0
		6917847	C	P066000	CHEVRON MITEI SUSTAIN	Sadoway /Donald Robert	03/01/08	06/30/09	0	74,756	(0)
		6918647	C	P065005	CHEVRON MITEI SUSTAIN	McKinley /Gareth H	01/01/08	12/31/14	0	488,220	(0)
		6919015	C	P320000	CHEVRON MITEI SUSTAIN	Hover /Franz S	03/01/09	12/31/14	0	342,252	0
		6919722	C	P069700	CHEVRON-MIT UPP AGR.	Varanasi /Kripa	06/15/09	12/31/10	0	150,000	(0)
		6921449	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	01/01/10	09/30/12	0	98,824	0
		6921495	C	P320000	CHEVRON MITEI SUSTAIN	Hover /Franz S	03/01/10	05/31/11	0	41,533	0
		6921679	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	04/01/10	06/30/13	0	29,818	0
		6921789	C	P065005	CHEVRON-MIT UPP AGR.	Techet /Alexandra H	01/01/10	06/30/13	0	139,822	0
		6921875	C	P065002	CHEVRON-MIT UPP AGR.	Kim /Sangbae	01/01/09	12/31/10	0	140,823	0
		6923173	C	P320000	CW1251339 MITEI SO#150	Heywood /John B	12/08/10	12/31/15	0	500,000	(0)
		6924085	C	P266300	CHEVRON-MIT UPP AGR.	Triantafyllou /Michael S	09/01/07	06/01/14	0	53,932	0
		6924086	C	P266300	CHEVRON-MIT UPP AGR.	Adams /Edward E	09/01/07	12/31/12	0	135,000	(0)
		6924087	C	P069700	CHEVRON MITEI SUSTAIN	Varanasi /Kripa	01/01/08	12/31/12	0	270,000	0
		6924088	C	P065006	CHEVRON MITEI SUSTAIN	Barbastathis /George	01/01/08	06/30/14	0	368,563	(0)
		6924512	C	P065004	CHEVRON-MIT UPP AGR.	Schmidt /Henrik	09/01/07	12/31/16	0	142,896	(0)
		6924721	C	P069700	CW819969 UPP-PDEP, SC	Varanasi /Kripa	07/01/11	12/31/15	0	920,717	0
		6924736	C	P065005	CHEVRON-MIT UPP AGR.	Hover /Franz S	01/01/11	06/30/13	0	49,800	0
		6925440	C	P266300	CHEVRON MITEI SUSTAIN	Adams /Edward E	01/01/12	06/30/15	0	259,822	0
		6925830	C	P065005	CHEVRON-MIT UPP AGR.	Schmidt /Henrik	01/01/12	12/31/16	0	100,970	(0)
		6925831	C	P065005	CHEVRON-MIT UPP AGR.	Triantafyllou /Michael S	01/01/12	06/30/13	0	75,485	0
		6925832	C	P266300	CHEVRON-MIT UPP AGR.	Chryssostomidis /Chryssostomo	01/01/12	12/31/14	0	131,068	(0)
		6926727	C	P065004	CHEVRON-MIT UPP AGR.	Schmidt /Henrik	10/01/12	12/31/16	0	39,030	0
		6926789	C	P320000	CHEVRON MITEI SUSTAIN	Hover /Franz S	11/01/12	12/31/13	0	12,216	0
		6927256	C	P065005	CHEVRON MITEI SUSTAIN	Techet /Alexandra H	01/01/08	06/30/14	0	73,721	0
		6927257	C	P065004	CHEVRON MITEI SUSTAIN	Hart /Douglas	01/01/08	06/30/14	0	72,426	0
		6928120	C	P065004	CHEVRON-MIT UPP AGR.	Barbastathis /George	01/01/13	12/31/15	0	165,000	0
		6928390	C	P062000	CW1251339 MITEI SO#150	Gleason /Karen K	06/30/13	06/30/16	0	374,728	(0)
		6929076	C	P065005	CW793339 MITEI, SO#150	Liu /Yuming	01/01/14	06/30/16	0	130,000	(0)
		6929599	C	P065004	CHEVRON-MIT UPP AGR.	Schmidt /Henrik	04/01/14	12/31/16	0	7,302	0
		6929721	C	P062000	CW1251339 MITEI SO#150	Armstrong /Robert C	01/01/14	10/31/16	0	110,752	(0)
		6929722	C	P065004	CW1251339 MITEI SO#150	Hogan /Neville	01/01/14	06/30/16	0	189,983	(0)
		6929723	C	P266300	CW1251339 MITEI SO#150	Triantafyllou /Michael S	01/01/14	12/31/16	0	249,941	0
		6929724	C	P065004	CW819969 UPP-PDEP SO	Buie /Cullen	01/01/14	12/31/15	0	105,000	(0)
		6929725	C	P062000	CW819969 UPP-PDEP, SC	Trout /Bernhardt L	01/01/14	12/31/15	0	110,000	(0)
		6930481	C	P065005	CW1251339 MITEI SO#150	McKinley /Gareth H	01/01/14	10/31/16	0	129,234	(0)
		6931170	C	P065005	HOLD CHILD	Triantafyllou /Michael S	10/01/07	06/30/15	0	30,000	30,000
		6931208	C	P062000	CW1251339 MITEI SO#150	Trout /Bernhardt L	12/09/14	12/31/15	0	25,000	0

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		6931209	C	P065005	CW1251339 MITEI SO#150	Liu /Yuming	12/09/14	12/31/15	0	70,000	0
		6931351	C	P065004	CW1251339 MITEI SO#150	Buie /Cullen	12/09/14	12/31/15	0	75,000	0
		6932285	C	P069700	CW819969 UPP-PDEP, SC	Varanasi /Kripa	04/01/15	11/30/15	0	6,188	0
		6933562	C	P320000	CW1251339 MITEI SO# 00	Liu /Yuming	01/01/16	12/31/16	0	59,998	(0)
		6933655	C	P320000	CW1251339 MITEI SO# 12	Lienhard /John H	03/01/16	03/31/17	0	99,791	(0)
		6933858	C	P320000	SO/PO #0015092310	Triantafyllou /Michael S	02/16/16	06/30/19	5,786	395,076	0
		6934037	C	P320000	CW1251339 MITEI SO# 00	Trout /Bernhardt L	04/15/16	12/31/19	162,642	330,000	0
		6934121	C	P320000	CW1251339 MITEI	McKinley /Gareth H	07/01/16	05/31/17	0	80,000	0
		6935079	C	P320000	CW1251339 MITEI SO# 00	McKinley /Gareth H	10/12/16	05/31/17	0	65,190	(0)
		6936211	C	P320000	CW1251339 MITEI SO 001	Liu /Yuming	03/15/17	12/31/17	0	60,000	0
		6939511	C	P320000	PR23672270	McKinley /Gareth H	08/01/18	01/15/19	(57)	45,000	(0)
		6939915	C	P320000	PR23722302	Triantafyllou /Michael S	11/01/18	04/30/20	67,849	70,528	0
		6942771	C	P320000		McKinley /Gareth H	01/15/20	08/31/20	44,134	79,000	34,866
		6943187	C	P320000		McKinley /Gareth H	05/01/20	07/31/20	5,364	6,000	636
Total by Primary Sponsor									285,719	10,882,951	65,509
002491 Colgate Palmolive Compar	002491 Colgate Palmolive Company	6931043	C	P039010	MEDIA LAB CONSORTIA	Raskar /Ramesh	07/01/13	09/30/18	0	1,125,000	(0)
		6933553	C	P267110	AGREEMENT DTD. 09/01/1	Han /Jongyoon	09/01/16	12/31/19	112,170	316,234	(0)
		6934671	C	P267110	AGREEMENT DTD. 09/01/1	Han /Jongyoon	09/01/16	12/31/19	71,600	109,317	0
		6939849	C	P039010	AGREEMENT DATED 10/2	Shah /Pratik	10/01/18	09/30/20	336,233	500,000	91,982
		6941325	C	P069500	AGREEMEN DTD 7/1/19	Sheffi /Yosef	07/01/19	02/28/20	71,300	72,000	700
		6942333	C	P061901	AGMT DTD. 12/19/2019	Lieberman /Tami Danielle	01/01/20	12/31/20	2,656	150,000	147,344
	Total by Primary Sponsor									593,958	2,272,551
002500 Corning, Incorporated	002500 Corning, Incorp	6942323	C	P069501	AGMT DATED 10/24/19	Coughlin /Joseph F	12/01/19	11/30/20	28,814	207,500	178,686
		Total by Primary Sponsor									28,814
002531 Centre National de la Recherche Scientifique (CNRS)	002531 Centre National	6926038	C	P320000	AGREEMENT DATED 6/1/1	Pellenq /Roland Jm	06/01/12	06/30/20	120,446	1,049,924	44,809
		Total by Primary Sponsor									120,446
002561 Cisco Systems, Incorporated	002561 Cisco Systems,	6923637	C	P122172	LEADERSHIP CONSORTIL	Ancona /Deborah G	06/01/10	05/31/15	0	247,415	0
		Total by Primary Sponsor									0
002594 Commissariat a L'Energie Atomique (CEA)	002594 Commissariat L'Energie Atomique (CEA)	6938370	C	P068000	AGREEMENT DATED 1/1/1	Bucci /Matteo	01/01/18	08/31/20	45,851	401,902	44,372
		6940969	C	P068000	AGREEMENT DATED 1/1/1	Bucci /Matteo	05/01/18	01/31/20	40,605	40,605	0
		Total by Primary Sponsor									86,456
002609 DLR	002609 DLR	6942124	C	P061097	AGMT. DTD. 12/01/2019	Saenz-Otero /Alvar	12/01/19	11/30/20	21,729	40,000	18,271
		Total by Primary Sponsor									21,729
002630 Digital Equipment Corporation	002630 Digital Equipment Corporation	7250600	C	P122030	AGREEMENT NO. 890	Malone /Thomas W	07/15/89	07/31/94	0	1,104,351	0
		7666700	C	P067952	LETTER DATED 1/22/92	Saltzer /Jerome H	01/01/92	12/31/19	0	200,000	6,309

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002650 Dow Chemical Company	Total by Primary Sponsor								0	1,304,351	6,309
	002650 Dow Chemical Company	6937824	C	P152000	AGREEMENT DATED JUL	Dinca /Mircea	11/15/17	11/14/20	297,484	727,125	(2,063)
		6937889	C	P062000	AGREEMENT DATED JUL	Rutledge /Gregory C	11/15/17	11/14/20	310,668	853,336	104,254
		6937973	C	P068000	AGREEMENT DATED JUL	Yildiz /Bilge	11/15/17	11/14/20	353,477	1,264,128	475,982
		6938140	C	P062000	AGREEMENT DATED JUL	Olsen /Bradley D.	12/15/17	12/14/20	240,531	625,840	231,251
		6938141	C	P152000	AGREEMENT DATED JUL	Johnson /Jeremiah A.	12/15/17	12/14/20	239,303	689,360	91,462
		6939780	C	P062000	252048AE	Green /William H	09/01/18	08/31/21	259,638	384,589	(2,019)
		6943308	C	P063000	AGREEMENT DATED JUL	Cordero Sanchez /Otto X.	06/01/20	05/31/21	132	230,320	230,188
		6943309	C	P067952	AGREEMENT DATED JUL	Barzilay /Regina	04/01/20	03/31/21	0	125,000	125,000
		6943310	C	P067952	AGREEMENT DATED JUL	Jensen /Klavs F	04/01/20	03/31/21	0	125,000	125,000
	009001 Lincoln Laborat	6936180	C	P152000	PO# 7000384311	Johnson /Jeremiah A.	02/15/17	08/31/19	(1,825)	311,723	0
Total by Primary Sponsor									1,699,409	5,336,421	1,379,055
002658 Dentsu, Incorporated	002658 Dentsu, Incorpo	6942033	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	06/01/19	12/31/19	0	90,000	90,000
		Total by Primary Sponsor								0	90,000
002670 DSM Research	002670 DSM Research	6939910	C	P069201	PO# 4702063178	Voigt /Christopher A.	07/01/18	06/30/20	267,597	518,185	82,758
		6940319	C	P152000	AGMT. DTD. 1/1/19	Bawendi /Moungi G	01/01/19	04/30/21	52,424	150,000	49,090
		6940322	C	P152000	SRA EFFECTIVE 1/01/2015	Bawendi /Moungi G	01/01/19	02/28/21	141,186	310,000	108,615
	Total by Primary Sponsor								461,207	978,185	240,463
002674 Denso International America	002674 Denso International America	6929518	C	P060600	AGREEMENT DATED 3/1/1	Chandrakasan /Anantha P	03/01/14	05/31/16	0	33,707	33,707
		6930029	C	P060600	AGREEMENT DATED 3/1/1	Chandrakasan /Anantha P	05/01/14	04/30/16	0	188,186	0
		6930084	C	P061090	AGREEMENT DATED 3/1/1	How /Jonathan P	06/01/14	03/31/18	0	289,953	0
		6930552	C	P069501	AGREEMENT DATED 3/1/1	Coughlin /Joseph F	03/01/14	05/31/16	0	250,000	(0)
		6931419	C	P061093	AGREEMENT DATED 3/1/1	Wardle /Brian L	01/15/15	02/28/18	0	233,084	(0)
		6932046	C	P039010	AGREEMENT DATED 3/1/1	Larson /Kent	07/01/14	10/31/16	0	297,695	(0)
		6934093	C	P039010		Larson /Kent	01/02/16	10/31/16	0	102,184	0
		6941250	C	P069400		Rhodes /Donna H	09/01/19	08/31/21	36,821	200,000	163,179
	Total by Primary Sponsor								36,821	1,594,809	196,885
002690 E.I. Du Pont De Nemours & Company	002690 E.I. Du Pont De Nemours & Company	6791744	C	P065000	AGMT EFF. 12/10/99	Consi /Thomas R	02/01/01	02/01/03	0	191,698	(0)
		6890357	C	P069201	AGMT EFF. 1/31/12	Tidor /Bruce	01/01/00	01/30/18	0	111,942	548
		6890449	C	P069201	AGMT EFF. 12/10/99	Tidor /Bruce	01/01/00	01/30/18	0	2,918,953	66
		6890450	C	P069201	AGMT EFF. 12/10/99	Tidor /Bruce	01/01/00	01/30/18	0	328,040	0
		6891363	C	P065000	AGMT EFF. 12/10/99	Kamm /Roger Dale	09/01/00	12/31/02	0	142,065	0
		6891364	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	09/01/00	01/31/04	0	964,723	(0)
		6891365	C	P166000	AGMT EFF. 12/10/99	Wang /Daniel I. C.	08/01/00	12/31/05	0	603,471	0
		6891469	C	P152000	AGMT EFF. 12/10/99	Stubbe /JoAnne	09/01/00	12/31/02	0	70,774	(0)
		6891470	C	P069850	AGMT EFF. 12/10/99	van Oudenaarden /Alexander	09/01/00	05/31/04	0	597,233	(0)
		6891471	C	P122000	AGMT EFF. 12/10/99	Murray /Fiona E	09/01/00	12/31/03	0	282,221	0
		6891472	C	P062000	AGMT EFF. 12/10/99	Stephanopoulos /Gregory	09/01/00	04/30/04	0	1,391,882	(0)

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		6891474	C	P062000	AGMT EFF. 12/10/99	Jensen /Klavs F	09/01/00	12/31/05	0	1,405,686	0
		6891477	C	P069200	AGMT EFF. 12/10/99	Griffith /Linda G	09/01/00	11/14/06	0	1,698,240	(0)
		6891478	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	09/01/00	05/31/04	0	343,378	(0)
		6891546	C	P151000	AGMT EFF. 12/10/99	Sinskey /Anthony J	09/01/00	12/31/05	0	893,472	0
		6891547	C	P062000	AGMT EFF. 12/10/99	Laibinis /Paul E	09/01/00	03/27/03	0	341,273	0
		6891548	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/05	0	755,991	0
		6891611	C	P151009	AGMT EFF. 12/10/99	Grossman /Alan Davis	09/01/00	05/31/04	0	424,601	(0)
		6891612	C	P151031	AGMT EFF. 12/10/99	Sinskey /Anthony J	09/01/00	04/30/04	0	458,654	0
		6891613	C	P065000	AGMT EFF. 12/10/99	Anand /Lallit	09/01/00	04/30/03	0	141,765	(0)
		6891614	C	P065000	AGMT EFF. 12/10/99	McKinley /Gareth H	09/01/00	12/31/02	0	165,995	0
		6891615	C	P166000	AGMT EFF. 12/10/99	Zhang /Shuguang	09/01/00	12/31/02	0	107,764	(0)
		6891743	C	P066000	AGMT EFF. 12/10/99	Chiang /Yet-Ming	02/01/01	06/30/06	0	679,964	0
		6891745	C	P166000	AGMT EFF. 12/10/99	Grodzinsky /Alan J	02/01/01	12/31/03	0	300,013	0
		6891746	C	P159300	AGMT EFF. 12/10/99	Sur /Mriganka	02/01/01	05/31/04	0	288,693	(0)
		6891747	C	P166000	AGMT EFF. 12/10/99	Zhang /Shuguang	02/01/01	12/31/03	0	475,000	0
		6891802	C	P166000	AGMT EFF. 12/10/99	Tannenbaum /Steven R	01/01/01	01/31/05	0	629,774	(0)
		6891803	C	P069200	AGMT EFF. 12/10/99	Sherley /James L	01/01/01	12/31/04	0	505,042	(0)
		6891804	C	P166000	AGMT EFF. 12/10/99	Lauffenburger /Douglas A	01/01/01	02/28/05	0	90,000	0
		6891805	C	P166000	AGMT EFF. 12/10/99	Sorger /Peter K	01/01/01	12/31/04	0	300,682	(0)
		6891806	C	P402100	AGMT EFF. 12/10/99	Schauer /David	01/01/01	02/28/05	0	310,099	(0)
		6891821	C	P065000	AGMT EFF. 12/10/99	Consi /Thomas R	02/01/01	01/31/03	0	98,789	0
		6891955	C	P159300	AGMT EFF. 12/10/99	Langer /Robert S	02/01/01	12/31/03	0	175,745	(0)
		6892439	C	P166000	AGMT EFF. 12/10/99	Grodzinsky /Alan J	09/01/01	12/31/03	0	339,966	0
		6892440	C	P152000	AGMT EFF. 12/10/99	Seeberger /Peter H	09/01/01	08/31/03	0	144,776	0
		6892441	C	P069200	AGMT EFF. 12/10/99	Sasisekharan /Ram	09/01/01	08/31/03	0	145,696	0
		6892667	C	P062000	AGMT EFF. 12/10/99	Doyle /Patrick S	10/01/01	05/31/06	0	373,200	0
		6892987	C	P064000	AGMT EFF. 12/10/99	Dresselhaus /Mildred S	01/01/00	10/15/02	0	13,941	0
		6893110	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/02	0	3,450	0
		6893175	C	P069200	AGMT EFF. 12/10/99	Griffith /Linda G	03/18/02	12/31/06	0	133,204	0
		6893278	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	04/12/02	11/30/02	0	3,728	0
		6893542	C	P066000	AGMT EFF. 12/10/99	Jensen /Klavs F	06/25/02	12/31/02	0	12,413	0
		6894183	C	P064000	AGMT EFF. 12/10/99	Dresselhaus /Mildred S	01/01/00	12/31/05	0	327,438	0
		6894224	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	10/28/02	06/30/03	0	3,483	0
		6894432	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	02/01/03	12/31/05	0	668,084	(0)
		6894465	C	P062000	AGMT EFF. 12/10/99	Jensen /Klavs F	01/30/03	05/25/05	0	53,501	0
		6894485	C	P062000	AGMT EFF. 12/10/99	Halton /Trevor Alan	03/01/03	12/31/05	0	480,000	(0)
		6894578	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	03/03/03	12/31/06	0	1,520,663	0
		6894670	C	P267600	AGMT EFF. 12/10/99	Smith /Henry I	04/03/03	12/31/05	0	140,987	0
		6894795	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/03	0	8,051	0
		6894796	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	03/31/05	0	11,067	0
		6894922	C	P150000	AGMT EFF. 12/10/99	Frankel /Felice	05/15/03	11/15/04	0	180,023	0
		6894999	C	P066000	AGMT EFF. 12/10/99	Ceder /Gerbrand	07/01/03	05/31/06	0	482,623	(0)
		6895450	C	P067952	AGMT EFF. 12/10/99	Tidor /Bruce	09/01/03	05/31/07	0	48,967	(0)
		6895581	C	P067952	AGMT EFF. 12/10/99	Tidor /Bruce	10/01/03	12/31/06	0	346,065	(0)
		6895582	C	P067952	AGMT EFF. 12/10/99	Klibanov /Alexander M	10/01/03	12/31/06	0	375,143	0

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		6895583	C	P067952	AGMT EFF. 12/10/99	Wittrup /Karl Dane	10/01/03	05/31/07	0	461,720	0
		6895651	C	P122000	AGMT EFF. 12/10/99	Murray /Fiona E	10/20/03	08/31/04	0	92,012	0
		6895775	C	P062000	AGMT EFF. 12/10/99	Trout /Bernhardt L	08/01/03	12/31/05	0	185,622	0
		6895903	C	P151000	AGMT EFF. 12/10/99	Lindquist /Susan	01/01/04	12/31/06	0	1,889,951	0
		6895912	C	P066000	AGMT EFF. 12/10/99	Irvine /Darrell J	01/01/04	02/28/06	0	269,916	0
		6896011	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	01/01/04	12/31/05	0	214,069	(0)
		6896031	C	P151031	AGMT EFF. 12/10/99	Sinskey /Anthony J	06/01/04	12/31/05	0	642,621	0
		6896046	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	01/01/04	12/31/06	0	318,000	0
		6896048	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	06/01/04	12/31/06	0	393,950	(0)
		6896049	C	P062000	AGMT EFF. 12/10/99	Stephanopoulos /Gregory	05/01/04	11/14/06	0	1,390,408	(0)
		6896187	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	04/01/04	12/31/05	0	13,167	0
		6896515	C	P161000	AGMT EFF. 12/10/99	Edelman /Elazer R	06/01/04	10/24/06	0	2,090,299	0
		6896516	C	P062000	AGMT EFF. 12/10/99	Tester /Jefferson W	06/01/04	10/31/09	0	302,036	0
		6896868	C	P062000	AGMT EFF. 12/10/99	Tester /Jefferson W	09/01/04	12/31/07	0	66,734	0
		6898231	C	P401511	AGMT EFF. 12/10/99	DeLong /Edward Francis	07/01/05	12/31/08	0	627,349	0
		6898232	C	P062000	AGMT EFF. 1/1/05	Hammond /Paula T	07/01/05	12/31/07	0	415,082	0
		6898233	C	P267110	AGMT EFF. 12/10/99	Han /Jongyoon	07/01/05	07/31/07	0	200,000	(0)
		6898234	C	P062000	AGMT EFF. 12/10/99	Rutledge /Gregory C	07/01/05	04/30/09	0	286,484	0
		6898235	C	P062000	AGMT EFF. 12/10/99	Rutledge /Gregory C	07/01/05	12/31/08	0	763,432	0
		6898236	C	P065002	AGMT EFF. 1/1/05	Shao-Horn /Yang	07/01/05	06/30/08	0	496,925	(0)
		6898237	C	P066000	AGMT EFF. 12/10/99	Van Vliet /Krystyn J	07/01/05	06/30/08	0	457,000	0
		6898238	C	P065002	AGMT EFF. 12/10/99	Boyce /Mary Cunningham	07/01/05	12/31/08	0	809,034	0
		6898257	C	P065002	AGMT EFF. 12/10/99	Barbastathis /George	07/01/05	05/31/08	0	208,668	(0)
		6898258	C	P062000	AGMT EFF. 12/10/99	Doyle /Patrick S	07/01/05	07/31/07	0	175,000	(0)
		6898333	C	P152000	AGMT EFF. 12/10/99	Swager /Timothy M	07/01/05	12/31/06	0	224,017	(0)
		6898454	C	P065002	AGMT EFF. 12/10/99	Shao-Horn /Yang	08/26/05	07/31/06	0	31,177	0
		6898579	C	P267200	AGMT EFF. 1/1/05	Baldo /Marc A	09/01/05	11/21/08	0	470,000	(0)
		6898642	C	P062000	AGMT EFF. 1/5/05	Hatton /Trevor Alan	07/01/05	12/31/08	0	825,000	(0)
		6898756	C	P062000	AGMT. EFF. 1/1/05	Shao-Horn /Yang	07/01/05	12/31/07	0	145,257	(0)
		6899014	C	P062000	AGMT EFF. 1/1/05	Barton /Paul I	01/01/06	12/31/08	0	428,346	(0)
		6899015	C	P062000	AGMT EFF. 1/1/05	Blankschtein /Edmundo D	01/01/06	12/31/11	0	1,338,749	(0)
		6899016	C	P062000	AGMT EFF. 1/1/05	Trout /Bernhardt L	01/01/06	12/31/07	0	289,056	0
		6899246	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	02/17/06	12/31/06	0	24,297	0
		6899466	C	P069850	AGMT EFF. 1/1/05	Sadoway /Donald Robert	04/01/06	12/31/08	0	375,114	(0)
		6899832	C	P161000	AGMT EFF. 12/10/99	Edelman /Elazer R	07/01/06	12/31/09	0	2,055,821	(0)
		6914301	C	P062000	AGMT. EFF. 1/1/05	Shao-Horn /Yang	07/01/05	10/31/06	0	7,161	0
		6915330	C	P067952	AGMT EFF. 1/1/05	Tidor /Bruce	09/01/07	12/31/11	0	429,300	0
		6915331	C	P062000	AGMT EFF. 1/1/05	Rutledge /Gregory C	09/01/07	11/30/11	0	417,139	0
		6915332	C	P062000	AGMT EFF. 1/1/05	Hatton /Trevor Alan	09/01/07	03/31/11	0	937,497	(0)
		6915333	C	P066000	AGMT EFF. 1/1/05	Ceder /Gerbrand	09/01/07	04/30/11	0	943,153	(0)
		6915334	C	P066000	AGMT EFF. 1/1/05	Stellacci /Francesco	09/01/07	12/31/10	0	617,140	(0)
		6916471	C	P066000	AGMT EFF. 1/1/05	Kong /Jing	09/01/07	08/20/09	0	90,800	(0)
		6916472	C	P066000	AGMT EFF. 1/1/05	Van Vliet /Krystyn J	09/01/07	12/31/10	0	153,647	(0)
		6918429	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	09/01/08	12/31/09	0	477,671	0
		6918430	C	P062000	AGMT EFF. 12/10/99	Strano /Michael S.	09/01/08	11/03/11	0	322,000	(0)

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		6919293	C	P031000	AGMT EFF. 12/10/99	Glicksman /Leon R	01/01/09	12/31/14	0	706,697	0
		6919323	C	P066000	AGMT EFF. 12/10/99	Stellacci /Francesco	03/01/09	11/30/10	0	186,692	(52,679)
		6919946	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	07/01/08	12/31/09	0	72,032	0
		6921327	C	P066000	AGMT EFF. 12/10/99	Van Vliet /Krystyn J	01/01/10	02/29/12	0	375,000	(0)
		6921442	C	P062000	AGMT EFF. 12/10/99	Maheshri /Narendra	09/01/09	03/31/12	0	197,890	0
		6921443	C	P152000	AGMT EFF. 12/10/99	Movassaghi /Mohammad	02/22/10	12/31/11	0	271,800	(0)
		6921590	C	P267600	AGMT EFF. 12/10/99	Berggren /Karl K	03/15/10	12/31/11	0	80,419	0
		6921870	C	P069700	AGMT EFF. 12/10/99	Varanasi /Kripa	07/01/10	12/31/12	0	459,496	0
		6922554	C	P062000	AGMT EFF. 12/10/99	Roman /Yuriy	08/01/10	12/31/12	0	355,250	(0)
		6923250	C	P152000	AGMT EFF. 12/10/99	Bawendi /Moungi G	01/01/11	12/31/11	0	125,000	(0)
		6923251	C	P065007	AGMT EFF. 12/10/99	McKinley /Gareth H	01/01/11	07/31/13	0	250,000	(0)
		6925428	C	P065004	AGMT EFF. 12/10/99	Buie /Cullen	01/01/11	09/30/14	0	269,141	(0)
		6926131	C	P066000	AGMT EFF. 1/1/12	Ceder /Gerbrand	08/01/12	07/31/14	0	330,000	(0)
		6930846	C	P267500	PROGRAM AGREEMENT I	Berggren /Karl K	12/01/14	11/30/16	0	439,849	0
	6930847	C	P152000	PROGRAM AGREEMENT I	Johnson /Jeremiah A.	10/01/14	09/30/17	0	296,783	(0)	
Total by Primary Sponsor									0	51,797,960	(52,066)
002735 East Japa Railway Company	002735 East Japan Rail	6939738	C	P061093	SRA DTD. JULY 1, 2018	de Weck /Olivier L	07/01/18	06/30/21	331,521	940,000	415,834
	Total by Primary Sponsor									331,521	940,000
002741 EDF Electricite De France	002741 EDF Electricite De France	6923371	C	P320000	EDF MITEI ASSOCIATE MI	Golay /Michael W	09/01/10	03/31/15	0	550,721	(0)
		6938900	C	P320000	AGREEMENT DATED 6/1/1	Shirvan /Koroush	06/01/18	05/31/20	197,614	270,000	(25,309)
	Total by Primary Sponsor									197,614	820,721
002756 Enel Produzione S.p.A.	002756 Enel Produzion	6918397	C	P320000	ENEL MITEI SUSTAINING	Grossman /Jeffrey C.	09/01/10	10/31/11	0	150,003	0
	Total by Primary Sponsor									0	150,003
002800 Fermilab	002800 Fermilab	6940269	C	P159900	SUB NO. 652561	Klute /Markus	02/05/19	12/31/19	(2,764)	7,500	(103)
	Total by Primary Sponsor									(2,764)	7,500
002817 Fidelity Investments	002817 Fidelity Investm	6939539	C	P121012	10018958/PO33597	Simester /Duncan	09/15/18	09/14/21	191,245	532,562	232,135
	Total by Primary Sponsor									191,245	532,562
002848 Bristol Myers SQUIBB	002848 Bristol Myers St	6940079	C	P152000	SRA DTD 12/14/2018	Buchwald /Stephen Leffler	01/01/19	12/31/20	292,711	575,000	173,362
	Total by Primary Sponsor									292,711	575,000
002850 Ford Motor Company	002850 Ford Motor Company	6917065	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/08	12/31/22	0	0	0
		6917066	C	P067952	FORD-MIT ALLIANCE AGF	Kaelbling /Leslie P	01/01/08	12/31/10	0	373,150	0
		6917067	C	P320000	FORD-MIT ALLIANCE AGF	Sterman /John	01/01/08	08/31/09	0	125,000	(0)
		6917068	C	P066000	FORD-MIT ALLIANCE AGF	Ceder /Gerbrand	01/01/08	01/31/10	0	171,288	0
		6917069	C	P320000	FORD-MIT ALLIANCE AGF	Heywood /John B	02/01/08	03/31/08	0	39,914	0
		6917070	C	P065002	FORD-MIT ALLIANCE AGF	Heywood /John B	04/01/08	03/31/10	0	422,877	0

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		6917071	C	P065002	FORD-MIT ALLIANCE AGF	Cheng /Wai K	04/01/08	08/31/10	0	336,750	0
		6917072	C	P067952	FORD-MIT ALLIANCE AGF	Leonard /John J	04/01/08	05/31/11	0	352,336	(0)
		6917073	C	P320000	FORD-MIT ALLIANCE AGF	Herzog /Howard J	07/01/08	12/31/09	0	13,963	0
		6917074	C	P063007	FORD-MIT ALLIANCE AGF	Williams /John R	05/01/09	07/31/11	0	147,872	0
		6917075	C	P067952	FORD-MIT ALLIANCE AGF	Balakrishnan /Hari	05/01/09	08/31/13	0	376,559	0
		6917076	C	P066000	FORD-MIT ALLIANCE AGF	Ceder /Gerbrand	10/01/10	08/31/12	0	278,765	0
		6917077	C	P069850	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	06/01/10	08/30/12	0	264,823	0
		6917078	C	P121012	FORD-MIT ALLIANCE AGF	Rudin /Cynthia	06/01/10	08/31/11	0	106,013	0
		6917079	C	P068700	FORD-MIT ALLIANCE AGF	Shah /Devavrat	07/01/10	08/31/13	0	150,000	0
		6917080	C	P065004	FORD-MIT ALLIANCE AGF	Shao-Horn /Yang	10/01/10	05/31/12	0	261,878	0
		6917081	C	P067952	FORD-MIT ALLIANCE AGF	Fisher /John W	04/01/11	12/31/14	0	295,455	(0)
		6917082	C	P067952	FORD-MIT ALLIANCE AGF	Miller /Robert C	04/01/11	09/30/13	0	300,461	0
		6917083	C	P067952	FORD-MIT ALLIANCE AGF	Leonard /John J	04/01/11	12/31/14	0	133,396	0
		6917084	C	P065007	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	04/01/11	12/31/13	0	296,438	0
		6917085	C	P069400	FORD-MIT ALLIANCE AGF	de Neufville /Richard L	04/01/11	06/30/12	0	116,157	(0)
		6917086	C	P063007	FORD-MIT ALLIANCE AGF	Barnhart /Cynthia	01/02/12	06/30/14	0	290,827	0
		6917087	C	P121012	FORD-MIT ALLIANCE AGF	Bertsimas /Dimitris J	01/02/12	12/31/14	0	293,419	(0)
		6917088	C	P065006	FORD-MIT ALLIANCE AGF	Cheng /Wai K	01/02/12	12/31/13	0	293,997	(0)
		6917089	C	P069850	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	01/02/12	12/31/13	0	280,828	(0)
		6917090	C	P122070	FORD-MIT ALLIANCE AGF	Knittel /Christopher Roland	01/02/12	12/31/15	0	291,199	0
		6921549	C	P069500	FORD-MIT ALLIANCE AGF	Coughlin /Joseph F	12/01/09	06/30/10	0	120,000	(0)
		6922645	C	P121012	FORD-MIT ALLIANCE AGF	Farias /Nivek F.	07/01/10	08/31/13	0	150,000	0
		6924151	C	P067952	FORD-MIT ALLIANCE AGF	Fisher /John W	04/01/11	08/31/13	0	49,545	0
		6924402	C	P067952	FORD-MIT ALLIANCE AGF	Glass /James R	04/01/11	08/31/13	0	91,604	(0)
		6925241	C	P121012	FORD-MIT ALLIANCE AGF	Rudin /Cynthia	01/02/12	08/31/14	0	292,780	0
		6925242	C	P063007	FORD-MIT ALLIANCE AGF	Simchi-Levi /David	01/02/12	05/31/14	0	281,329	(0)
		6925243	C	P067952	FORD-MIT ALLIANCE AGF	Kaelbling /Leslie P	01/02/12	03/31/14	0	299,863	(0)
		6925244	C	P065004	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	01/02/12	01/01/14	0	287,011	0
		6925245	C	P066000	FORD-MIT ALLIANCE AGF	Ceder /Gerbrand	06/01/10	08/31/12	0	21,790	(0)
		6925246	C	P065004	FORD-MIT ALLIANCE AGF	Shao-Horn /Yang	06/01/10	05/31/12	0	38,129	0
		6925247	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	11/01/12	05/31/15	0	299,775	(0)
		6925249	C	P122170	FORD-MIT ALLIANCE AGF	Brynjolfsson /Erik	01/01/13	12/31/13	0	152,195	0
		6925250	C	P121400	FORD-MIT ALLIANCE AGF	von Hippel /Eric A	01/01/13	12/31/13	0	0	0
		6925251	C	P061093	FORD-MIT ALLIANCE AGF	Leveson /Nancy G	01/01/13	12/31/15	0	397,792	0
		6925253	C	P069850	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	01/01/13	12/31/14	0	304,706	0
		6925254	C	P065005	FORD-MIT ALLIANCE AGF	Wong /Victor W	01/01/13	12/31/14	0	299,391	(0)
		6925255	C	P065006	FORD-MIT ALLIANCE AGF	Cheng /Wai K	01/01/13	12/31/13	0	140,890	(0)
		6925256	C	P121012	FORD-MIT ALLIANCE AGF	Rudin /Cynthia	01/01/13	05/31/16	0	239,001	0
		6925258	C	P030001	FORD-MIT ALLIANCE AGF	Larson /Kent	06/01/13	05/31/15	0	200,000	(0)
		6925259	C	P063007	FORD-MIT ALLIANCE AGF	Barnhart /Cynthia	06/01/13	03/31/14	0	0	0
		6925260	C	P063007	FORD-MIT ALLIANCE AGF	Gonzalez /Marta C.	07/01/13	06/30/16	0	299,980	0
		6928249	C	P067952	FORD-MIT ALLIANCE AGF	Abelson /Harold	07/01/13	12/31/14	0	99,594	0
		6928261	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	09/01/13	12/31/22	161,494	859,764	111,270
		6928263	C	P065004	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	09/01/13	12/31/15	0	300,000	0
		6928264	C	P063007	FORD-MIT ALLIANCE AGF	Ben-Akiva /Moshe E	01/01/14	08/31/17	0	297,978	0

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		6929105	C	P063007	FORD-MIT ALLIANCE AGF	Osorio Pizano /Carolina	01/01/14	09/30/16	0	308,697	(0)
		6929726	C	P065005	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	01/01/14	12/31/15	0	298,250	(0)
		6929727	C	P065005	FORD-MIT ALLIANCE AGF	Reis /Pedro Miguel	01/01/14	08/31/16	0	300,000	0
		6929728	C	P067952	FORD-MIT ALLIANCE AGF	Glass /James R	01/01/14	12/31/16	0	298,443	0
		6930032	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/08	12/31/22	0	272,035	272,035
		6930232	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	07/01/14	12/31/16	0	400,000	0
		6930728	C	P065003	FORD-MIT ALLIANCE AGF	Youcef-Toumi /Kamal	09/01/14	05/31/17	0	249,969	0
		6931433	C	P061097	FORD-MIT ALLIANCE AGF	Oman /Charles M	01/01/15	12/31/17	0	314,224	(0)
		6931655	C	P065005	FORD-MIT ALLIANCE AGF	Wong /Victor W	01/01/15	11/30/16	0	252,274	(0)
		6931656	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/15	12/31/17	0	298,032	(0)
		6931657	C	P063007	FORD-MIT ALLIANCE AGF	Simchi-Levi /David	01/01/15	08/31/17	0	299,211	(0)
		6931849	C	P069400	FORD-MIT ALLIANCE AGF	Trancik /Jessika	01/01/15	09/30/17	0	299,524	(0)
		6933339	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/16	12/31/18	0	0	0
		6933340	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/16	12/31/18	0	349,595	(0)
		6933341	C	P063007	FORD-MIT ALLIANCE AGF	Osorio Pizano /Carolina	01/01/16	12/31/18	0	341,464	0
		6933342	C	P065004	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	01/01/16	12/31/18	0	300,000	(0)
		6933729	C	P121012	FORD-MIT ALLIANCE AGF	Graves /Stephen C	07/01/16	12/31/18	0	232,497	0
		6933730	C	P152000	FORD-MIT ALLIANCE AGF	Dinca /Mircea	06/01/16	12/31/18	0	200,000	(0)
		6933731	C	P061093	FORD-MIT ALLIANCE AGF	Leveson /Nancy G	01/01/16	12/31/18	0	284,352	0
		6933865	C	P065004	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	05/01/16	09/30/16	0	17,205	(0)
		6933866	C	P065004	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	01/01/16	12/31/18	0	299,900	(0)
		6933867	C	P065005	FORD-MIT ALLIANCE AGF	McKinley /Gareth H	01/01/16	12/31/18	(1,033)	254,814	(0)
		6933868	C	P069400	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	01/01/16	12/31/18	0	294,933	(0)
		6934344	C	P063007	FORD-MIT ALLIANCE AGF	Simchi-Levi /David	06/20/16	12/31/18	0	189,271	(0)
		6935543	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/18	12/31/20	109,129	300,000	136,850
		6935714	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/17	12/31/20	0	64,225	64,225
		6935715	C	P061093	FORD-MIT ALLIANCE AGF	Hansman /Robert J	01/01/17	12/31/18	0	92,217	0
		6935790	C	P063007	FORD-MIT ALLIANCE AGF	Williams /John R	01/01/17	12/31/19	82,034	290,820	(0)
		6935791	C	P067952	FORD-MIT ALLIANCE AGF	Glass /James R	01/01/17	01/31/19	0	299,442	(0)
		6935792	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/18	12/31/20	16,842	300,000	192,262
		6935793	C	P065005	FORD-MIT ALLIANCE AGF	Sarma /Sanjay E	01/01/17	09/18/19	(34,002)	300,000	0
		6935794	C	P065004	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	01/01/17	12/31/19	166,865	299,982	13,018
		6935936	C	P069400	FORD-MIT ALLIANCE AGF	Ashford /Nicholas A	01/01/17	04/30/18	0	75,054	0
		6936563	C	P065005	FORD-MIT ALLIANCE AGF	McKinley /Gareth H	01/01/16	12/31/18	0	5,599	0
		6936622	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	06/01/17	12/31/19	123,099	294,712	(0)
		6936623	C	P065004	FORD-MIT ALLIANCE AGF	Hart /Anastasios John	06/01/17	12/31/20	135,468	263,962	94,999
		6936624	C	P062000	FORD-MIT ALLIANCE AGF	Roman /Yuriy	06/01/17	06/30/18	0	50,504	0
		6936625	C	P065005	FORD-MIT ALLIANCE AGF	Wang /Evelyn	06/01/17	12/31/18	0	120,000	(0)
		6936626	C	P065005	FORD-MIT ALLIANCE AGF	Sarma /Sanjay E	04/01/17	12/31/19	70,913	300,000	(658)
		6938191	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/18	12/31/20	108,883	300,000	68,731
		6938192	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/19	12/31/20	46,334	300,000	212,645
		6938193	C	P061093	FORD-MIT ALLIANCE AGF	Hansman /Robert J	01/01/18	12/31/20	92,603	244,351	13,897
		6938194	C	P152000	FORD-MIT ALLIANCE AGF	Dinca /Mircea	06/01/18	05/31/20	138,507	406,000	2,933
		6938196	C	P067952	FORD-MIT ALLIANCE AGF	Matusik /Wojciech	01/01/18	12/31/19	19,966	300,000	232
		6938197	C	P065004	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	01/01/18	12/31/20	175,156	300,000	(9,216)

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		6938198	C	P065005	FORD-MIT ALLIANCE AGF	McKinley /Gareth H	01/01/18	12/31/21	117,493	258,614	91,239
		6938199	C	P069850	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	01/01/18	12/31/20	99,783	304,039	19,968
		6938200	C	P068000	FORD-MIT ALLIANCE AGF	Yildiz /Bilge	01/01/18	12/31/20	201,815	300,000	27,647
		6940294	C	P039010	AGREEMENT DATED 2/8/1	Ishii /Hiroshi	10/01/18	09/30/20	22,892	194,987	169,215
		6940299	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/19	12/31/21	0	270,000	270,000
		6940332	C	P267500	FORD-MIT ALLIANCE AGF	Lang /Jeffrey H	01/01/19	12/31/20	126,082	300,000	125,483
		6940676	C	P067952	FORD-MIT ALLIANCE AGF	Mueller /Stefanie	04/01/19	03/31/21	250,786	280,000	23,392
		6940713	C	P035000	FORD-MIT ALLIANCE AGF	Ratti /Carlo	05/01/19	04/30/20	(13,439)	0	0
		6941032	C	P065004	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	06/01/19	12/31/20	99,107	150,000	50,893
		6941090	C	P061093	FORD-MIT ALLIANCE AGF	Leveson /Nancy G	07/01/19	06/30/21	149,319	300,000	150,681
		6941308	C	P035000	FORD-MIT ALLIANCE AGF	Ratti /Carlo	05/01/19	04/30/21	147,089	279,996	132,907
		6941380	C	P068700	FORD-MIT ALLIANCE AGF	Carlone /Luca	09/01/19	08/31/20	91,607	150,000	58,393
		6941676	C	P065005	FORD-MIT ALLIANCE AGF	Wang /Evelyn	09/01/19	08/31/20	111,604	120,000	8,396
		6942489	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/20	12/31/22	0	450,000	450,000
		6942600	C	P061093	FORD-MIT ALLIANCE AGF	de Weck /Olivier L	02/01/20	01/31/21	65,328	150,000	84,672
		6942604	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	03/01/20	02/28/21	0	150,000	150,000
		6942880	C	P067952	FORD-MIT ALLIANCE AGF	Edelman /Alan	03/01/20	02/28/21	0	150,000	150,000
		6942881	C	P035000	FORD-MIT ALLIANCE AGF	Ratti /Carlo	03/01/20	04/30/21	0	20,000	20,000
	Total by Primary Sponsor								2,881,724	26,625,675	3,156,109
002909 Fraunhofer Gesellschaft	002909 Fraunhofer Ges	6929194	C	P035000	AGREEMENT DATED 1/1/2	Ratti /Carlo	01/01/14	05/31/20	62,539	759,360	(316)
	Total by Primary Sponsor								62,539	759,360	(316)
002922 Genentech	002922 Genentech	6935512	C	P062000	AGREEMENT DATED 11.2	Swan /James W	11/28/16	12/31/19	0	110,000	43,459
	Total by Primary Sponsor								0	110,000	43,459
002940 General Electric Company	002940 General Electric Company	6935056	C	P320000	AGREEMENT EFF. 08/15/2	Armstrong /Robert C	08/15/16	06/30/22	(18,127)	968	968
		6937659	C	P320107	AGREEMENT EFF. 08/15/2	Stoner /Robert	09/25/17	06/30/18	0	99,999	0
	Total by Primary Sponsor								(18,127)	100,966	968
002941 General Electric Corporate Research And Development	002941 General Electric Corporate Research And Development	6924316	C	P060600	AGMT. DTD. 4/25/11 PO# 4	Sodini /Charles G	08/01/11	12/31/19	0	16,000	0
		6924437	C	P069700	AGMT. DTD. 4/25/11 PO# 4	Sodini /Charles G	08/01/11	04/30/15	0	588,000	(0)
		6931361	C	P065004	AGMT. DTD. 4/25/11 PO# 4	Anthony /Brian	07/01/14	07/31/17	0	492,000	(0)
		6933331	C	P267500	AGMT. DTD. 4/25/11 PO# 4	Stultz /Collin M	10/01/15	09/30/18	0	195,720	(0)
		6937254	C	P061901	PO 401086609 REV2 LINE	Heldt /Thomas	09/01/17	03/07/18	0	49,979	0
	Total by Primary Sponsor								0	1,341,699	(0)
002958 Dell, Inc.	002958 Dell, Inc.	6941375	C	P069500	AGMT DTD 7/1/2019	Sheffi /Yosef	08/01/19	12/31/19	37,806	37,806	0
	Total by Primary Sponsor								37,806	37,806	0
002998 The Gillette Company	002998 The Gillette Cor	6938225	C	P069850	PO #8000583853	Tasan /Cemal	03/01/18	03/31/20	96,416	234,323	(7,224)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
Gillette Company LLC	Total by Primary Sponsor								96,416	234,323	(7,224)
003035 W.L. Gore and Associates	003035 W.L. Gore and Associates	6939237	C	P069201	AGREEMENT DTD 7/31/18	Kamm /Roger Dale	07/31/18	09/30/20	108,348	150,731	(1,127)
		6940396	C	P065004	AGREEMENT DTD. MARC	Anthony /Brian	03/01/19	02/28/20	105,292	75,000	(56,035)
	Total by Primary Sponsor								213,639	225,731	(57,162)
003088 Hyundai Motor Company	003088 Hyundai Motor Company	6938747	C	P039010	AGREEMENT DATED MAY	Picard /Rosalind W.	04/01/18	03/31/20	104,459	370,000	185,381
		6940015	C	P065005	4500032975	Tian /Tian	09/01/18	06/30/20	(2)	49,000	(0)
		6940503	C	P065004	RA DTD. 03/01/2019	Heywood /John B	03/01/19	06/30/20	233,353	235,000	(27,109)
	Total by Primary Sponsor								337,810	654,000	158,272
003141 Hamamatsu Photonics Kk	003141 Hamamatsu Photonics Kk	6927473	C	P152000	AGMT EFFECTIVE 2/1/13	So /Peter T. C.	02/01/13	01/31/23	126,891	950,000	64,899
	Total by Primary Sponsor								126,891	950,000	64,899
003150 Hoffmann, Laroche, Incorporated	003150 Hoffmann, Laroche, Incorporated	6932287	C	P402000	AGREEMENT DATED JUN	Langer /Robert S	06/01/15	09/30/20	0	0	(562)
		6933076	C	P402000	AGREEMENT DATED 10/1	Langer /Robert S	10/01/15	09/30/20	3,304	1,000,000	(10,986)
		6938994	C	P069201		Sasisekharan /Ram	09/04/18	09/03/20	219,784	700,000	424,652
		6940070	C	P402000	AGREEMENT DTD. 10/1/20	Langer /Robert S	10/01/15	09/30/20	545,743	950,000	152,227
	005321 Brigham & Won	6940150	C	P061901	MA39185 (119041)	Sontag /David Alexander	02/01/18	11/01/19	(21,125)	53,250	1,644
	Total by Primary Sponsor								747,706	2,703,250	566,975
003164 Honda R&D Company, Limited	003164 Honda R&D Company, Limited	6928404	C	P068000	RESEARCH AGR EFF AUC	Li /Ju	08/01/13	08/31/20	271,696	910,000	28,252
		6932827	C	P067952	AGMNT DTD 11/1/15	Katabi /Dina	11/01/15	12/31/18	(12,299)	663,457	0
		6933625	C	P067952	AGMNT DTD 11/1/15	Katabi /Dina	01/01/16	12/31/17	0	119,482	0
	Total by Primary Sponsor								259,397	1,692,938	28,252
003165 Honeywell	003165 Honeywell	6940642	C	P154000	PO # 6400417348	Spivak /David I	02/01/19	07/31/20	82,926	128,000	11,408
	Total by Primary Sponsor								82,926	128,000	11,408
003174 The Hartford Financial Services Corporation	003174 The Hartford Financial Services Corporation	6931440	C	P069501	AGREEMENT EFFECTIVE	Coughlin /Joseph F	01/01/15	12/31/20	47,121	1,650,000	500,857
	Total by Primary Sponsor								47,121	1,650,000	500,857
003213 Iberdrola, S.A.	003213 Iberdrola, S.A.	6936501	C	P320000	AGREEMENT EFF. 05/31/2	Armstrong /Robert C	05/31/17	05/31/22	0	50,349	50,349
		6937068	C	P320109	AGREEMENT EFF. 05/31/2	Knittel /Christopher Roland	07/01/17	06/30/18	0	141,302	(0)
		6937920	C	P320000	AGREEMENT EFF. 05/31/2	Paltsev /Sergey	06/01/17	05/31/22	87,350	300,000	60,988
		6938135	C	P320000	AGREEMENT EFF. 05/31/2	Parsons /John E	09/01/17	09/30/18	0	129,330	0
		6939895	C	P320000	AGREEMENT EFF. 05/31/2	Veeramachaneni /Kalyan	10/01/18	01/31/20	290,990	380,000	(1,358)
		6941240	C	P320000	AGREEMENT EFF. 05/31/2	Schlosser /Courtney Adam	03/01/19	06/30/20	150,003	150,000	(3)
		6942698	C	P320000	AGREEMENT EFF. 05/31/2	Knittel /Christopher Roland	01/01/20	03/31/22	39,680	49,000	9,320
		6943000	C	P320000	AGREEMENT EFF. 05/31/2	Veeramachaneni /Kalyan	04/01/20	03/31/21	3,014	200,000	196,986

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	Total by Primary Sponsor								571,037	1,399,981	316,282
003256 Intel Corporation	003256 Intel Corporation	6119900	C	P067952	LETTER DATED 11/9/93	Clark /David D	11/01/93	12/31/20	38,963	125,000	4,606
		6933644	C	P267111	AGMT EFF DATE 4/1/16	Berggren /Karl K	04/01/16	09/30/19	(2,832)	374,962	(0)
		6937015	C	P060600	AGMT EFF DATE 9/1/17	Palacios /Tomas	09/01/17	08/31/20	120,775	405,000	19,250
		6938810	C	P060600	AGREEMENT EFFECTIVE	Han /Song	07/01/18	06/30/21	12,180	300,640	186,519
		6939374	C	P267200	AGMT EFF DATE 9/1/18	Medard /Muriel	09/01/18	08/31/20	130,015	258,201	46,251
		6940014	C	P154500		Chung /SueYeon	01/01/19	12/31/20	72,105	150,000	72,782
		6941593	C	P067952	AGMT. DTD. 09/01/2019	Torralba /Antonio	09/01/19	08/31/20	127,051	124,478	(2,573)
		6942745	C	P067952	AGMT DTD 4/1/20	Ragan-Kelley /Jonathan M	04/01/20	09/30/20	0	50,000	50,000
		6943328	C	P267500	AGREEMENT DTD 05/29/2	Kim /Jeehwan	07/01/20	06/30/21	0	160,000	160,000
	Total by Primary Sponsor								498,257	1,948,281	536,835
003260 International Business Machine	003260 International Business Machine	6935629	C	P154500	AGREEMENT EFFECTIVE	McDermott /Joshua Hartman	11/01/16	10/31/20	0	0	0
		6935630	C	P154500	AGREEMENT EFFECTIVE	Tenenbaum /Joshua B	11/01/16	10/31/20	0	0	0
		6935659	C	P154500	AGREEMENT EFFECTIVE	McDermott /Joshua Hartman	11/01/16	10/31/20	171,099	524,036	(30,315)
		6935660	C	P154500	AGREEMENT EFFECTIVE	DiCarlo /James	11/01/16	10/31/20	96,999	372,923	(47,966)
		6935661	C	P067952	AGREEMENT EFFECTIVE	Oliva /Aude	11/01/16	10/31/20	244,374	603,041	(32,529)
		6935662	C	P154500	AGREEMENT EFFECTIVE	Tenenbaum /Joshua B	11/01/16	10/31/20	97,787	583,647	(17,487)
		6935663	C	P067952	AGREEMENT EFFECTIVE	Katz /Boris	11/01/16	10/31/20	61,161	916,353	206,435
		6937361	C	P060050	AGREEMENT NO. W17716	Oliva /Aude	09/01/17	09/01/27	(5,089)	863,748	863,748
		6937491	C	P060050	AGREEMENT NO. W17716	Oliva /Aude	09/01/17	09/01/22	1,192,690	2,798,926	390,791
		6937941	C	P060050	AGREEMENT NO. W17716	Oliva /Aude	09/01/17	09/01/22	0	1,425	1,425
		6939132	C	P067952	AGREEMENT NO. W17716	Weitzner /Daniel J	04/01/18	03/31/21	87,711	150,000	51,313
		6939901	C	P060600	AGREEMENT NO. W17716	Boning /Duane S	09/01/18	05/31/20	18,705	150,000	(0)
		6940246	C	P060050	AGREEMENT NO. W17716	Oliva /Aude	09/01/17	09/01/22	18,267	94,977	56,312
		6942099	C	P121012	AGREEMENT NO. W17716	Mazumder /Rahul	09/01/19	08/31/20	55,606	150,000	94,394
		6943318	C	P063007	AGREEMENT NO. W17716	Einstein /Herbert H	01/01/20	12/31/20	0	150,000	150,000
		6943352	C	P069400	AGREEMENT NO. W17716	Springs /Stacy	05/01/20	04/30/21	0	100,000	100,000
		6943397	C	P067952	AGREEMENT NO. W17716	Rus /Daniela L	09/01/20	08/31/21	0	100,000	100,000
	103644 MIT-IBM Watson AI Lab	6937988	C	P061090	AGREEMENT NO. W17716	How /Jonathan P	02/01/18	08/31/21	135,981	550,000	263,822
		6938065	C	P267111	AGREEMENT NO. W17716	Daniel /Luca	04/01/18	06/30/20	74,854	162,000	(0)
		6938150	C	P068700	AGREEMENT NO. W17716	Polyanskiy /Yury	07/01/18	06/30/20	23,327	150,000	1,575
		6938204	C	P066000	AGREEMENT NO. W17716	Gomez-Bombarelli /Rafael	03/15/18	10/31/19	52,876	195,175	(0)
		6938205	C	P061901	AGREEMENT NO. W17716	Sontag /David Alexander	03/01/18	12/31/19	30,456	196,201	2,335
		6938206	C	P067952	AGREEMENT NO. W17716	Sontag /David Alexander	02/01/18	01/31/20	43,431	150,000	(5,609)
		6938208	C	P063007	AGREEMENT NO. W17716	Marelli /Benedetto	02/01/18	08/31/19	16,176	200,003	0
		6938261	C	P067952	AGREEMENT NO. W17716	Indyk /Piotr	01/16/18	08/31/19	18,178	214,680	(0)
		6938266	C	P069201	AGREEMENT NO. W17716	Fraenkel /Ernest	02/01/18	01/31/21	120,430	450,000	207,279
		6938374	C	P067952	AGREEMENT NO. W17716	Broderick /Tamara A	07/01/18	08/31/19	1,491	149,985	(0)
		6938375	C	P067952	AGREEMENT NO. W17716	Jaakkola /Tommi S	02/01/18	08/31/20	33,006	175,000	67,067
		6938376	C	P159900	AGREEMENT NO. W17716	Harrow /Aram W.	02/01/18	01/31/21	146,071	900,000	457,498
		6938392	C	P267110	AGREEMENT NO. W17716	Sze /Vivienne	03/01/18	06/30/19	19,984	150,010	0
		6938395	C	P400600	AGREEMENT NO. W17716	Ajerman /Robert J	01/01/18	12/31/18	0	150,000	(0)

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		6938419	C	P068700	AGREEMENT NO. W1771E	Uhler /Caroline	01/01/18	12/31/20	4,344	225,000	111,846
		6938439	C	P068700	AGREEMENT NO. W1771E	Bresler /Guy	01/01/18	12/31/20	84,928	225,000	78,894
		6938445	C	P068000	AGREEMENT NO. W1771E	Yildiz /Bilge	01/01/18	12/31/20	152,253	450,000	147,430
		6938551	C	P067952	AGREEMENT NO. W1771E	O'Reilly /Una-May	01/01/18	06/30/19	(13,178)	225,000	(0)
		6938688	C	P067952	AGREEMENT NO. W1771E	Torralba /Antonio	02/01/18	01/31/20	24,132	150,000	(0)
		6938699	C	P154500	AGREEMENT NO. W1771E	Tenenbaum /Joshua B	02/01/18	01/31/21	165,675	450,000	84,443
		6938700	C	P067952	AGREEMENT NO. W1771E	Barzilay /Regina	01/01/18	12/31/20	9,183	450,000	289,378
		6938702	C	P121175	RPA 2018-1-023	Brynjolfsson /Erik	01/01/18	08/31/19	(4,840)	210,000	(0)
		6938736	C	P267500	AGREEMENT NO. W1771E	Chuang /Isaac	01/02/18	01/01/21	118,167	450,000	152,630
		6938809	C	P061901	AGREEMENT NO. W1771E	Lehman /Li-Wei	06/01/18	05/31/21	103,773	500,000	283,255
		6938872	C	P067952	AGREEMENT NO. W1771E	Solomon /Justin	07/01/18	08/31/19	29,132	170,748	9,273
		6938873	C	P068700	AGREEMENT NO. W1771E	Veeramachaneni /Kalyan	06/01/18	05/31/20	54,965	150,000	(514)
		6938874	C	P067952	AGREEMENT NO. W1771E	Madry /Aleksander	07/01/18	06/30/19	(721)	149,991	0
		6938938	C	P067952	AGREEMENT NO. W1771E	Sanchez Martin /Daniel	03/01/18	08/31/19	11,427	154,157	(0)
		6938943	C	P060600	AGREEMENT NO. W1771E	Han /Song	07/01/18	06/30/19	(21,039)	148,842	(0)
		6939008	C	P067952	AGREEMENT NO. W1771E	Barzilay /Regina	02/01/18	08/31/20	2,360	75,000	(22,161)
		6939009	C	P067952	AGREEMENT NO. W1771E	Jaakkola /Tommi S	01/01/18	12/31/20	169,099	450,000	196,366
		6939155	C	P402000	AGREEMENT NO. W1771E	Langer /Robert S	02/01/18	08/31/19	3,146	224,152	0
		6939524	C	P154500	AGREEMENT NO. W1771E	McDermott /Joshua Hartman	09/01/18	12/31/19	39,550	150,114	(0)
		6939536	C	P067952	AGREEMENT NO. W1771E	Vaikuntanathan /Vinod	03/01/18	02/28/21	77,213	225,000	91,776
		6939698	C	P067952	AGREEMENT NO. W1771E	Carbin /Michael James	09/01/18	12/31/19	46,490	150,000	125
		6939704	C	P267110	AGREEMENT NO. W1771E	Wornell /Gregory W	07/01/18	06/30/21	133,548	550,000	365,669
		6939753	C	P154500	AGREEMENT NO. W1771E	Levy /Roger P	09/01/18	08/31/20	87,623	150,000	(13,056)
		6939760	C	P069400	AGREEMENT NO. W1771E	Rahwan /Iyad	05/01/18	08/30/19	(1,317)	150,000	(0)
		6939804	C	P267500	AGREEMENT NO. W1771E	Kim /Jeewhan	09/01/18	08/31/20	37,753	150,000	46,756
		6939909	C	P067952	AGREEMENT NO. W1771E	Rubinfeld /Ronitt	09/01/18	08/31/20	24,524	75,000	10
		6939916	C	P061096	AGREEMENT NO. W1771E	Shah /Julie A	01/01/19	12/31/19	97,389	150,000	3,831
		6939944	C	P267500	AGREEMENT NO. W1771E	Stultz /Collin M	09/01/18	08/31/20	80,202	150,000	94
		6939995	C	P069400	AGREEMENT NO. W1771E	Pentland /Alex Paul	09/01/18	08/31/20	95,277	150,000	54,723
		6940007	C	P067952	AGREEMENT NO. W1771E	Daskalakis /Konstantinos	09/01/18	08/31/20	47,351	75,000	(3,890)
		6940028	C	P067952	AGREEMENT NO. W1771E	Szolovits /Peter	09/01/18	08/31/19	56,843	150,000	(4,422)
		6940066	C	P067952	AGREEMENT NO. W1771E	Glass /James R	09/01/18	08/31/19	41,523	150,000	0
		6940171	C	P067952	AGREEMENT NO. W1771E	Leiserson /Charles E	09/01/18	08/31/19	70,988	150,000	10,665
		6940293	C	P067952	AGREEMENT NO. W1771E	Goldwasser /Shafrira	03/01/18	02/28/21	108,328	225,000	47,318
		6942100	C	P067952	AGREEMENT NO. W1771E	Agrawal /Pulkit	09/01/19	08/31/20	28,404	150,000	121,596
		6942113	C	P067952	AGREEMENT NO. W1771E	Kaelbling /Leslie P	09/01/19	08/31/20	149,958	250,000	100,042
		6942189	C	P068000	AGREEMENT NO. W1771E	Yildiz /Bilge	09/01/19	08/31/22	102,477	130,000	27,523
		6942216	C	P067952	AGREEMENT NO. W1771E	Indyk /Piotr	09/01/19	08/31/20	85,095	150,000	64,905
		6942218	C	P267111	AGREEMENT NO. W1771E	Daniel /Luca	01/01/20	12/31/22	114,250	250,000	135,750
		6942221	C	P154500	AGREEMENT NO. W1771E	McDermott /Joshua Hartman	09/01/19	08/31/20	24,471	150,000	125,529
		6942222	C	P067952	AGREEMENT NO. W1771E	Solar Lezama /Armando	09/01/19	08/31/20	124,886	150,000	25,114
		6942228	C	P060600	AGREEMENT NO. W1771E	Han /Song	01/01/20	12/31/22	0	350,000	350,000
		6942229	C	P417000	AGREEMENT NO. W1771E	Romano /Giuseppe	09/01/19	08/31/20	84,864	93,196	8,331
		6942240	C	P067952	AGREEMENT NO. W1771E	Broderick /Tamara A	09/01/19	08/31/22	78,410	250,000	171,590
		6942244	C	P067952	AGREEMENT NO. W1771E	Liccardi /Ilaria	09/01/19	08/31/20	16,704	150,000	133,296

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		6942264	C	P063007	AGREEMENT NO. W1771E	Simchi-Levi /David	09/01/19	08/31/20	152,833	250,000	97,167
		6942265	C	P417000	AGREEMENT NO. W1771E	Johnson /Steven G	09/01/19	08/31/20	62,400	56,804	(5,595)
		6942267	C	P068700	AGREEMENT NO. W1771E	Jadbabaie-Moghadam /Ali	09/01/19	08/31/20	146,112	150,000	3,888
		6942304	C	P067952	AGREEMENT NO. W1771E	Solomon /Justin	09/01/19	08/31/22	19,103	250,000	230,897
		6942340	C	P060600	AGREEMENT NO. W1771E	del Alamo /Jesus A	09/01/19	08/31/22	60,645	120,000	59,355
		6942387	C	P067952	AGREEMENT NO. W1771E	Karger /David R	09/01/17	08/31/20	111,395	150,000	38,605
		6942388	C	P068700	AGREEMENT NO. W1771E	Win /Moe Z	01/01/20	12/31/20	26,644	150,000	123,356
		6942407	C	P267110	AGREEMENT NO. W1771E	Heldt /Thomas	09/01/19	05/30/21	39,973	150,000	110,027
		6942422	C	P067952	AGREEMENT NO. W1771E	Leiserson /Charles E	09/01/19	08/31/22	5,876	250,000	244,124
		6942445	C	P267500	AGREEMENT NO. W1771E	Stultz /Collin M	09/01/19	08/31/22	14,862	250,000	235,138
		6942463	C	P067952	AGREEMENT NO. W1771E	Isola /Phillip John	09/01/19	08/31/20	109,850	150,000	40,150
		6942480	C	P067952	AGREEMENT NO. W1771E	Satyanarayan /Arvind	01/01/20	12/31/20	4,423	150,000	145,577
		6942486	C	P067952	AGREEMENT NO. W1771E	Szolovits /Peter	09/01/19	08/31/22	74,009	250,000	175,991
		6942509	C	P063007	AGREEMENT NO. W1771E	Marelli /Benedetto	09/01/19	08/31/22	103,328	350,000	246,672
		6942511	C	P068700	AGREEMENT NO. W1771E	Polyanskiy /Yury	01/01/20	12/31/22	47,437	250,000	202,563
		6942550	C	P154500	AGREEMENT NO. W1771E	DiCarlo /James	09/01/19	08/31/20	81,679	150,000	68,321
		6942553	C	P067952	AGREEMENT NO. W1771E	Oliva /Aude	01/01/20	12/31/22	0	350,000	350,000
		6942554	C	P068700	AGREEMENT NO. W1771E	Dahleh /Munther A	01/01/20	12/31/20	0	150,000	150,000
		6942605	C	P067952	AGREEMENT NO. W1771E	O'Reilly /Una-May	09/01/17	08/31/22	86,365	205,448	119,083
		6942672	C	P067952	AGREEMENT NO. W1771E	Torralba /Antonio	09/01/19	08/31/22	88,359	150,850	62,491
		6942694	C	P067952	AGREEMENT NO. W1771E	Glass /James R	09/01/19	08/31/22	100,474	250,000	149,526
		6942702	C	P067952	AGREEMENT NO. W1771E	Carbin /Michael James	01/01/20	12/31/21	12,638	175,198	162,560
		6942703	C	P066000	AGREEMENT NO. W1771E	Olivetti /Elsa A	09/01/19	12/31/20	28,893	150,000	121,107
		6942750	C	P067952	AGREEMENT NO. W1771E	Katz /Boris	01/01/20	12/31/20	0	150,000	150,000
		6942766	C	P154500	AGREEMENT NO. W1771E	Levy /Roger P	01/01/20	12/31/20	56,369	150,000	93,631
		6942843	C	P067952	AGREEMENT NO. W1771E	Carbin /Michael James	01/01/20	12/31/20	77,364	150,000	72,636
		6943004	C	P069400	AGREEMENT NO. W1771E	Welsch /Roy E	01/01/20	12/31/20	0	250,000	250,000
		6943021	C	P154500	AGREEMENT NO. W1771E	Mansinghka /Vikash K	09/01/17	08/31/20	0	150,000	150,000
		Total by Primary Sponsor							7,012,210	26,441,629	9,921,475
003369 Janssen Pharmaceutical Company	003369 Janssen Pharmaceutical Comp	6933285	C	P402000	AGREEMENT DATED 12/1	Bhatia /Sangeeta N	12/17/15	08/31/19	257,977	2,053,174	6,221
		6934752	C	P069201	PO 993690273	Lauffenburger /Douglas A	09/15/16	06/30/19	18,486	390,150	(0)
		6935289	C	P402000	AGREEMENT DATED 12/2	Chen /Jianzhu	12/01/16	05/31/19	(3,510)	701,137	(0)
	Total by Primary Sponsor								272,953	3,144,461	6,221
003373 Kawasaki	003373 Kawasaki	6942125	C	P067952	AGMT DATED 2/28/20	Williams /Brian C	03/01/20	02/28/23	62,268	773,923	711,655
	Total by Primary Sponsor								62,268	773,923	711,655
003480 Liberty Mutual Insurance Company	003480 Liberty Mutual Insurance Company	6942905	C	P067952	LIBERTY MUTUAL RPP#1	Barzilay /Regina	03/02/20	03/01/21	0	200,000	200,000
		6943477	C	P154500		Mansinghka /Vikash K	06/15/20	06/14/21	0	237,121	237,121
		6943478	C	P154500		Mansinghka /Vikash K	06/15/20	06/14/21	0	237,121	237,121
		6943479	C	P154500		Mansinghka /Vikash K	05/31/20	05/30/21	0	237,121	237,121
	Total by Primary Sponsor								0	911,362	911,362

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003482 Eli Lilly and Company	003482 Eli Lilly and Company	6940628	C	P062000	LILLY RESEARCH PROGR	Jensen /Klavs F	04/12/19	04/11/21	133,396	58,245	(75,151)
		6941255	C	P062000	LILLY RESEARCH PROGR	Jensen /Klavs F	07/01/19	04/11/21	7,824	30,000	22,176
	Total by Primary Sponsor								141,221	88,245	(52,976)
003493 LG Electronics, Incorporated	003493 LG Electronics, Incorporated	6932443	C	P039010	AGREEMENT DATED 5/18	Ito /Joichi	05/18/15	05/31/16	0	85,000	0
		6935016	C	P065004	AGREEMENT EFF. 10/01/2	Kim /Jeehwan	07/01/16	10/31/18	43,966	360,000	(577)
		6942150	C	P065004	AGMT DTD11/1/2019	Kim /Sangbae	11/01/19	10/31/22	268,959	1,800,000	1,531,041
	Total by Primary Sponsor								312,925	2,245,000	1,530,464
003553 Microsoft Corporation	003553 Microsoft Corp	6938258	C	P069850	PO 98357005 / AGREEME	Kimerling /Lionel C	03/15/18	06/30/20	433,971	861,545	96,577
	Total by Primary Sponsor								433,971	861,545	96,577
003569 Matsushita Electric Industrial Company, Limited	003569 Matsushita Elec	7587800	C	P122030	CENTER FOR COORDINA	Malone /Thomas W	10/01/91	09/30/93	0	300,000	0
	Total by Primary Sponsor								0	300,000	0
003579 Merck and Co. Inc.	003579 Merck and Co. Inc.	6931999	C	P402000	LRK REF#142461	Love /John C	06/08/15	12/31/19	31,235	750,000	1,749
		6933016	C	P152000	LKR171955 / PO# 8102388	Buchwald /Stephen Leffler	07/01/15	01/31/22	107,218	636,252	37,289
		6933172	C	P152000	LKR#149336	Buchwald /Stephen Leffler	07/01/15	02/12/20	0	301,063	(0)
		6933338	C	P062000	LRK180606/PO 810283533	Doyle /Patrick S	12/28/15	03/31/21	117,875	460,000	1,616
		6935459	C	P243021	LKR#159128/PO#81019411	Griffin /Robert Guy	12/22/16	03/21/18	0	50,000	111
		6941344	C	P069201	AGMT. DTD. 07/01/2019	Griffith /Linda G	07/01/19	06/30/20	132,363	317,533	185,170
	Total by Primary Sponsor								388,692	2,514,847	225,934
003595 Minnesota Mining & Manufacturing Company (3M)	003595 Minnesota Minir	6941060	C	P152000	ACN1154153	Johnson /Jeremiah A.	07/01/19	07/01/21	99,499	250,000	150,501
	Total by Primary Sponsor								99,499	250,000	150,501
003607 Mercury Marine, Incorporated	003607 Mercury Marine	6939367	C	P266300	SRA EFFECTIVE 08/01/20	Triantafyllou /Michael S	08/01/18	06/30/20	104,477	128,505	7
	Total by Primary Sponsor								104,477	128,505	7
003610 Mitre Corporation	003610 Mitre Corporation	6940361	C	P267111	RESEARCH AGMT. 12650	Englund /Dirk R.	10/01/18	10/31/23	424,047	2,756,457	2,303,029
		6942157	C	P267111	RESEARCH AGMT. 12650	Englund /Dirk R.	10/01/18	11/20/21	33,550	42,150	8,600
	Total by Primary Sponsor								457,597	2,798,607	2,311,629
003629 Mitsubishi Heavy Industries Limited	003629 Mitsubishi Heavy Industries Limited	6922947	C	P061094	AGMT. DTD. 10/15/10 & 9/	Spakovszky /Zoltan S	09/01/10	08/31/18	(169)	1,405,026	(0)
		6937627	C	P061094	AGMT DATED SEPTEMBE	Spakovszky /Zoltan S	09/01/17	08/31/19	62,092	589,920	(2,110)
		6939154	C	P068000	AGREEMENT DATED 8/24	Baglietto /Emilio	08/24/18	02/29/20	127,659	180,000	(0)
		6940058	C	P061094	SRA DTD, 09/01/2018	Spakovszky /Zoltan S	09/01/18	08/31/21	288,368	1,187,706	570,097
		6940404	C	P062000	AGREEMENT DTD 4/1/19	Green /William H	04/01/19	05/31/20	143,072	175,265	127
		6941765	C	P061094	TBD	Spakovszky /Zoltan S	09/01/19	08/31/22	430,128	2,532,099	2,101,971
		6941817	C	P061094	AGMT. DTD 9/1/19	Spakovszky /Zoltan S	09/01/19	08/31/22	185,407	410,065	224,658

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	Total by Primary Sponsor								1,236,558	6,480,080	2,894,743
003640 Bayer Materials Science AG	003640 Bayer Materials	6942203	C	P067952	PO NO. 2150522909	Szolovits /Peter	09/01/19	01/19/21	79,253	127,551	48,298
	Total by Primary Sponsor								79,253	127,551	48,298
003669 Mitsubishi Materials Corporation	003669 Mitsubishi Materials Corporation	6931410	C	P069850	AGRMNT EFFECTVE 4/1/15	Schuh /Christopher A	04/01/15	11/15/18	0	144,000	(3,617)
		6940201	C	P417500	AGMT. DTD. 01/01/2019	Tasan /Cemal	03/15/19	03/14/20	58,687	80,495	13,675
	Total by Primary Sponsor								58,687	224,495	10,058
003705 DO NOT USE Multi Group Sponsor	003705 DO NOT USE N	6031600	C	P320000	RESEARCH AGREEMENT	Heywood /John B	06/01/93	03/31/94	0	16,700	0
	Total by Primary Sponsor								0	16,700	0
003710 DO NOT USE Multi Sponsored Projects-Industrial	003710 DO NOT USE Multi Sponsored Projects-Industrial	6344200	C	P069501	MASTER AGREEMENT	Graves /Stephen C	05/01/95	06/30/97	0	48,509	0
		6344300	C	P069501	MASTER AGREEMENT	Magnanti /Thomas L	05/15/95	12/31/99	0	78,705	(0)
		6344400	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	143,012	(0)
		6344500	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	33,892	0
		6344600	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	33,729	(0)
		6344700	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	3,996	0
		6344800	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	09/01/95	12/31/00	0	63,462	0
		6344900	C	P069501	MASTER AGREEMENT	Fine /Charles H	02/01/96	12/31/04	0	120,718	0
		6345000	C	P069501	MASTER AGREEMENT	Jap /Sandy D	02/01/96	05/31/97	0	23,181	0
		6345100	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	02/01/96	04/30/98	0	17,928	0
		6345200	C	P069501	MASTER AGREEMENT	Rosenfield /Donald Barry	05/01/96	02/28/98	0	46,368	(0)
		6345300	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	12/01/96	07/31/98	0	14,207	0
		7804000	C	P122030	GIFT	Malone /Thomas W	01/01/93	04/14/11	0	1,367,728	0
		9758500	C	P069400	CONSORTIUM AGREEMENT	Clark /Joel P	01/01/86	12/31/92	0	454,421	0
	Total by Primary Sponsor								0	2,449,856	0
003741 National Grid USA	003741 National Grid U	6942683	C	P159400	RESEARCH AGREEMENT	Paltsev /Sergey	02/01/20	01/31/21	79,162	206,528	127,366
	Total by Primary Sponsor								79,162	206,528	127,366
003754 Mars, Incorporated	003754 Mars, Incorporated	6936200	C	P093800	AGREEMENT EFFECTIVE	Casalegno /Federico	04/01/17	08/31/18	(67)	345,367	(0)
	Total by Primary Sponsor								(67)	345,367	(0)
003778 Nestle Company, Incorporated	003778 Nestle Company	6941291	C	P067952		Torralba /Antonio	09/01/19	08/31/20	132,142	150,000	17,858
	Total by Primary Sponsor								132,142	150,000	17,858
003791 NEC Corporation (Japan)	003791 NEC Corporation	6939900	C	P122030		Klein /Mark	11/01/18	08/30/19	(9)	9,000	(0)
	Total by Primary Sponsor								(9)	9,000	(0)
003822 Nihon Kohden Corporation	003822 Nihon Kohden Corporation	6930744	C	P060600	AGRMT DATED 9/1/14	Sodini /Charles G	09/01/14	08/31/19	5,249	5,292	(0)

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Kohden Corporation	Corporation	6930826	C	P060600	AGRMT DATED 9/1/14	Sodini /Charles G	09/01/14	08/31/19	(1,737)	16,007	0
		6930827	C	P268001	AGRMT DATED 9/1/14	Verghese /George C	09/01/14	08/31/19	0	135,000	(0)
		6930828	C	P061901	AGRMT DATED 9/1/14	Heldt /Thomas	09/01/14	08/31/19	2,101	603,605	(0)
		6930829	C	P061901	AGRMT DATED 9/1/14	Heldt /Thomas	09/01/14	08/31/19	0	474,844	0
		6938123	C	P061901	AGMT EFF 1/1/18	Heldt /Thomas	01/01/18	12/31/20	429,614	760,000	(34,151)
		6942065	C	P061901	AGREEMENT EFFECTIVE	Heldt /Thomas	01/01/20	12/31/21	18,963	800,000	781,037
		Total by Primary Sponsor							454,190	2,794,749	746,886
003824 Denso Corporation	003824 Denso Corporation	6936165	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	11/01/16	02/28/19	0	406,200	(0)
		6940605	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	03/01/19	02/28/21	176,632	400,000	40,367
		Total by Primary Sponsor							176,632	806,200	40,367
003830 Nippon Telegraph & Telephone	003830 Nippon Telegraph & Telephone	6718800	C	P067950	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/98	06/30/04	0	2,674,412	(1,817)
		6718900	C	P068600	AGMT DTD 6/21/98	Zue /Victor Waito	07/01/98	06/30/02	0	27,748	(0)
		6734300	C	P067950	AGMT DTD 6/21/98	Brooks /Rodney Allen	08/01/98	06/30/04	0	701,952	0
		6734400	C	P067950	AGMT DTD 6/21/98	Zue /Victor Waito	08/01/98	06/30/04	0	1,098,048	(0)
		6762500	C	P067952	AGMT DTD 6/21/98	Balakrishnan /Hari	07/01/98	06/30/04	0	949,911	(0)
		6762600	C	P068600	AGMT DTD 6/21/98	Liskov /Barbara H	07/01/98	06/30/01	0	450,000	0
		6762700	C	P067952	AGMT DTD 6/21/98	Goldwasser /Shafira	07/01/98	06/30/03	0	720,000	(0)
		6762800	C	P068500	AGMT DTD 6/21/98	Viola /Paul A	07/01/98	06/30/02	0	399,999	(0)
		6762900	C	P068600	AGMT DTD 6/21/98	Glass /James R	07/01/98	06/30/02	0	299,993	0
		6763000	C	P067952	AGMT DTD 6/21/98	Grimson /William E	07/01/98	06/30/04	0	599,998	0
		6773100	C	P068600	AGMT DTD 6/21/98	Dorsey /Julie	07/01/98	06/30/02	0	300,000	0
		6802900	C	P068500	AGMT DTD 6/21/98	Brooks /Rodney Allen	01/01/99	06/30/99	0	25,572	0
		6848700	C	P068500	AGMT DTD 6/21/98	Knight /Thomas F	07/01/99	06/30/02	0	249,997	0
		6848800	C	P067952	AGMT DTD 6/21/98	Lynch /Nancy Ann	07/01/99	06/30/04	0	665,012	(0)
		6848900	C	P068600	AGMT DTD 6/21/98	McMillan /Leonard	07/01/99	06/30/02	0	400,000	0
		6849000	C	P067952	AGMT DTD 6/21/98	Teller /Seth	07/01/99	06/30/04	0	469,938	(0)
		6849100	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	463,665	0
		6849200	C	P067952	AGMT DTD 6/21/98	Poggio /Tomaso A	07/01/99	06/30/04	0	430,000	(0)
		6849300	C	P068600	AGMT DTD 6/21/98	Devadas /Srinivas	07/01/98	06/30/02	0	247,211	0
		6849400	C	P067952	AGMT DTD 6/21/98	Mithal /Arvind	07/01/99	06/30/04	0	550,000	(0)
		6849500	C	P067952	AGMT DTD 6/21/98	Karger /David R	07/01/99	06/30/04	0	495,000	0
		6849600	C	P067952	AGMT DTD 6/21/98	Kaelbling /Leslie P	07/01/99	06/30/03	0	200,000	0
		6890070	C	P067952	AGMT DTD 6/29/98	Brooks /Rodney Allen	10/01/99	06/30/03	0	60,000	0
		6890578	C	P067952	AGMT DTD 6/21/98	Jaakkola /Tommi S	07/01/00	06/30/03	0	329,963	0
		6890579	C	P067952	AGMT DTD 6/21/98	Morris /Robert Tappan	07/01/00	06/30/04	0	800,000	(0)
		6890580	C	P067952	AGMT DTD 6/21/98	Darrell /Trevor J	07/01/00	06/30/04	0	680,000	(0)
		6890581	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	07/01/00	06/30/04	0	270,001	0
		6890586	C	P067952	AGMT DTD 6/21/98	Guttag /John V	07/01/00	12/31/03	0	300,000	0
		6890893	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	60,192	0
		6890894	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	58,569	0
		6891480	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	10/01/00	06/30/04	0	34,384	0
		6892335	C	P067952	AGMT DTD 6/21/98	Glass /James R	07/01/01	06/30/04	0	999,998	(0)

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		6892336	C	P067952	AGMT DTD 6/21/98	Ernst /Michael D	07/01/01	06/30/04	0	200,000	0
		6892337	C	P067952	AGMT DTD 6/21/98	Sudan /Madhu	07/01/01	06/30/04	0	199,537	0
		6892772	C	P067952	AGMT DTD 6/21/98	Demaine /Erik D	10/01/01	06/30/04	0	199,999	0
		6892773	C	P067952	AGMT DTD 6/21/98	Freeman /William T	10/01/01	06/30/04	0	333,344	(0)
		6892774	C	P067952	AGMT DTD 6/21/98	Popovic /Jovan	10/01/01	06/30/04	0	188,043	(0)
		6892781	C	P067952	AGMT DTD 6/21/98	Indyk /Piotr	10/01/01	06/30/04	0	199,998	0
		6893144	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	03/01/02	06/30/04	0	4,872	0
		6893318	C	P067952	LETTER DTD 4/30/02	Brooks /Rodney Allen	04/01/02	06/30/04	0	13,648	0
		6893719	C	P067952	AGMT DTD 6/21/98	Durand /Frederic	07/01/02	06/30/04	0	116,730	(0)
		6893743	C	P067952	AGMT DTD 6/21/98	Liskov /Barbara H	07/01/02	06/30/04	0	100,000	(0)
		6893756	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	07/01/02	06/30/04	0	120,000	(0)
		6893987	C	P067952	AGMT DTD 6/21/98	Miller /Robert C	07/01/02	06/30/04	0	87,596	0
		6894155	C	P067952	LETTER DTD 4/30/02	Collins /Michael	07/01/02	06/30/04	0	59,997	2,070
		6894244	C	P067952	EMAIL DTD. 10/31/02	Katabi /Dina	07/01/02	06/30/04	0	60,007	(0)
		6894926	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	05/22/03	06/30/04	0	104,670	0
		6896042	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	07/01/03	12/31/06	0	250,000	(0)
		6896043	C	P067952	AGMT DTD 6/21/98	Collins /Michael	07/01/03	06/30/05	0	114,961	(0)
		6896044	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	07/01/03	06/30/05	0	149,993	0
		6899122	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/06	12/31/06	0	105,181	(0)
		6899123	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/06	12/31/06	0	91,151	(0)
		6899124	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/06	12/31/06	0	96,292	0
		6915068	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/07	12/31/07	0	90,000	917
		6915069	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/07	12/31/07	0	47,075	0
		6915070	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/07	12/31/07	0	73,708	0
		6915071	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/07	12/31/07	0	81,819	0
		6917191	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/08	12/31/08	0	78,300	(0)
		6917529	C	P067952	AGMT DTD 3/26/08	Collins /Michael	01/01/08	12/31/08	0	41,600	(0)
		6917547	C	P067952	AGMT DTD 3/26/08	Adelson /Edward H	01/01/08	12/31/08	0	65,000	(0)
		6917750	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/08	12/31/08	0	90,000	1,116
		6919189	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/09	12/31/09	0	90,000	(0)
		6919434	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/09	12/31/09	0	78,039	0
		6919773	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/09	12/31/09	0	40,000	(0)
		6919774	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/09	12/31/09	0	45,000	(0)
		6921156	C	P067952	AGMT DATED 06/21/98	Glass /James R	01/01/10	12/31/10	0	50,000	(0)
		6921199	C	P067952	AGMT DATED 06/21/98	Collins /Michael	01/01/10	12/31/10	0	41,000	(0)
		6921490	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/10	12/31/10	0	20,000	0
		6921581	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/10	12/31/10	0	90,000	(0)
		6923276	C	P067952	AGMT DATED 06/21/98	Glass /James R	01/01/11	12/31/11	0	50,000	0
		6923277	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/11	12/31/11	0	20,000	(0)
		6925361	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/12	12/31/12	0	18,675	0
		6927168	C	P067952	AGMT. DTD. 2/20/13	Glass /James R	01/01/13	12/31/13	0	50,000	(0)
		6927219	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/13	12/31/13	0	20,000	0
		6929339	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/14	12/31/14	0	20,000	(0)
		6929342	C	P067952	AGMT. DTD. 2/27/14	Glass /James R	01/01/14	12/31/14	0	48,000	(0)
		6931682	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/15	12/31/15	0	20,000	(0)

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		6931809	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/15	12/31/15	0	42,000	(0)
		6934183	C	P067952		Adelson /Edward H	01/01/16	12/31/16	0	20,000	0
		6934732	C	P067952	AGMT DTD 08/31/2016	Glass /James R	09/01/16	12/31/16	0	41,944	(0)
		6936124	C	P067952	AGMT DTD 6/21/98	Glass /James R	05/01/17	12/31/17	0	41,742	(0)
		6936125	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/17	12/31/17	0	20,000	(0)
		6938781	C	P067952	AGMT DTD 6/21/98	Glass /James R	06/15/18	12/31/18	(1,294)	65,000	0
		6939935	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	06/15/18	12/31/18	0	20,000	(0)
		6940368	C	P067952	AGMT DTD 6/21/98	Glass /James R	04/01/19	12/31/19	61,179	65,258	(0)
		6942190	C	P267111	RESEARCH COLLABORA1	Englund /Dirk R.	10/01/19	09/30/24	0	0	0
		6942193	C	P267111	RESEARCH COLLABORA1	Englund /Dirk R.	10/01/19	09/30/24	38,053	265,000	226,947
		6942194	C	P267200	RESEARCH COLLABORA1	Oliver /William D	10/01/19	09/30/24	20,596	200,000	179,404
		6942252	C	P267111	RESEARCH COLLABORA1	Englund /Dirk R.	10/01/19	12/31/20	14,608	35,000	20,392
		6942402	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/15/20	12/28/20	48,748	65,000	16,252
		6942709	C	P267111	RESEARCH COLLABORA1	Englund /Dirk R.	10/01/19	09/30/24	0	400,000	400,000
Total by Primary Sponsor									181,890	21,356,738	845,280
003834 Nissan Motor Co., Ltd.	003834 Nissan Motor C	6940020	C	P065004	SRA DTD. 12/11/2018	Fang /Xuanlai	12/21/18	03/31/20	121,750	250,000	75,647
		Total by Primary Sponsor							121,750	250,000	75,647
003847 Nokia Inc.	003847 Nokia Inc.	6928051	C	P039010	AGREEMENT DATED 6/27	Raskar /Ramesh	07/01/13	06/30/14	0	100,000	(0)
		Total by Primary Sponsor							0	100,000	(0)
003870 North American Philips Corporation - Philips L	003870 North American Philips Corporation - Philips L	6932607	C	P061904	PO 4520169503 - EFF 5/19	Szolovits /Peter	07/01/15	06/30/21	0	718	(129,241)
		6932612	C	P030001	AGREEMENT DATED 5/19	Berger /Alan M	07/01/15	06/30/20	0	739,053	733,787
		6932613	C	P030001	AGREEMENT DATED 5/19	Berger /Alan M	07/01/15	08/31/16	0	290,442	0
		6932695	C	P122020	AGREEMENT DATED 5/19	Welsch /Roy E	07/01/15	01/31/17	0	379,997	0
		6932698	C	P030001	AGREEMENT DATED 5/19	Ratti /Carlo	07/02/15	04/30/18	0	600,000	0
		6932722	C	P061901	EFF 5/19/15 - MASTER RE	Heldt /Thomas	09/01/15	12/31/18	9,659	28,080	(29,044)
		6932723	C	P060600	EFF 5/19/15 - MASTER RE	Sodini /Charles G	09/01/15	12/31/18	0	13,000	186
		6932724	C	P061901	EFF 5/19/15 - MASTER RE	Heldt /Thomas	09/01/15	12/31/18	4,567	320,037	(21,699)
		6932725	C	P061901	EFF 5/19/15 - MASTER RE	Heldt /Thomas	09/01/15	12/31/18	29,159	214,000	1,835
		6932821	C	P067952	EXH B-4: PO 45020209680	O'Reilly /Una-May	09/01/15	08/31/18	(8,084)	686,557	0
		6932822	C	P061901	EFF 5/19/15 - MASTER RE	Mark /Roger G	07/02/15	12/31/20	668,497	1,132,176	113,261
		6932824	C	P067952	EXH B-3: PO 4520209864	Szolovits /Peter	07/01/15	06/30/19	23,865	780,660	(59,017)
		6932825	C	P067952	EFF 5/19/15 - MASTER RE	Szolovits /Peter	07/01/15	06/30/19	0	110,572	48,505
		6932826	C	P067952	EFF 5/19/15 - MASTER RE	Szolovits /Peter	07/01/15	06/30/19	11,812	108,768	(9,155)
		6933280	C	P060600	EFF 5/19/15 - MASTER RE	Lee /Hae-Seung	09/01/15	12/31/18	0	162,441	0
		6933281	C	P060600	EFF 5/19/15 - MASTER RE	Sodini /Charles G	09/01/15	12/31/18	0	162,441	445
		6933371	C	P061901	EXH B-2: PO4520209865	Anthony /Brian	09/01/15	07/31/20	273,776	1,510,722	5,079
		6933542	C	P067952	AGREEMENT DATED 2/3/2	Madden /Samuel R	02/01/16	06/30/16	0	89,994	(0)
		6933575	C	P063007	AGREEMENT DATED 2/3/2	Gonzalez /Marta C.	02/01/16	10/31/18	0	100,000	0
		6933967	C	P068700	EFF 5/19/15 - MASTER RE	Veeramachaneni /Kalyan	04/01/16	08/31/17	0	13,443	(0)
		6934287	C	P061901	EXHIBIT B-6 AGMT SIGNE	Mark /Roger G	01/01/16	12/31/18	0	618,563	(48,235)
		6935032	C	P030001	AGREEMENT DATED 09/0	Larson /Kent	09/01/16	08/31/17	0	167,746	0

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		6935059	C	P035000	AGREEMENT DATED 9/1/2	Williams /Sarah E	07/01/15	08/31/17	0	90,000	(0)
		6935064	C	P063007	AGREEMENT DATED AGR	Gonzalez /Marta C.	09/01/16	10/31/18	0	147,733	27
		6935265	C	P067952	AGREEMENT DATED 9/1/2	Madden /Samuel R	09/01/16	09/01/17	0	149,999	(0)
		6935615	C	P121110	PHILIPS GRAND CHALLENGE	Siegel /Michael D	02/01/17	09/30/17	0	98,210	0
		6935616	C	P122030	AGREEMENT DATED 5/19	Malone /Thomas W	02/01/17	01/31/20	0	236,325	(0)
		6935657	C	P060600	EFF 5/19/15 - MASTER RE	Sodini /Charles G	09/01/15	08/31/18	0	11,282	(0)
		6936690	C	P061901	EXH B-11: PO4520204043	Mark /Roger G	07/01/16	12/31/21	40,737	642,354	189,288
		6936694	C	P061901	4520169503	Sontag /David Alexander	07/01/16	12/31/17	0	122,000	0
		6937486	C	P067952	AGREEMENT DATED 5/19	Madden /Samuel R	09/01/17	12/31/19	0	149,790	(0)
		6937487	C	P031000	AGREEMENT DATED 5/19	Reinhart /Christoph	09/01/17	08/31/18	(25,973)	125,000	0
		6937488	C	P067952	AGREEMENT DATED 5/19	Jaakkola /Tommi S	11/01/17	10/31/18	0	153,000	23,691
		6937489	C	P121175	AGREEMENT DATED 5/19	Westerman /George F	09/01/17	12/31/18	0	170,017	0
		6937490	C	P093800	AGREEMENT DATED 5/19	Casalegno /Federico	02/01/17	08/31/18	0	163,000	0
		6938741	C	P031000	AGREEMENT DATED 5/9/2	Coelho /Marcelo Henrique	05/01/18	12/15/20	51,761	300,000	108,006
		6940055	C	P061904	PO 4520169503 - EFF 5/19	Heldt /Thomas	06/01/18	05/31/21	105,251	742,659	535,778
		6940115	C	P122030	AGREEMENT DATED 5/19	Malone /Thomas W	10/01/18	01/31/20	94,667	313,675	0
		6940116	C	P067952	AGREEMENT DATED 5/19	Fisher /John W	07/01/15	09/01/19	54,390	300,000	(3,987)
		6940123	C	P067900	AGREEMENT DATED 5/19	Glass /James R	09/01/18	08/31/19	31,087	299,866	0
		6940124	C	P067952	AGREEMENT DATED 5/19	Madden /Samuel R	07/01/15	12/31/19	128,719	300,000	(7,186)
		6940274	C	P061901	PO 4520169503 - EFF 5/19	Edelman /Elazer R	01/01/19	12/31/22	61,815	149,777	24,332
		6940685	C	P067952	AGREEMENT DATED 5/19	Madry /Aleksander	04/01/19	12/31/19	99,854	100,000	146
		6941743	C	P061901	PO 4520231365 - EFF 5/19	Heldt /Thomas	01/01/19	07/31/21	242,239	886,000	643,761
		6941780	C	P061904	B-20: PO 4520169503 - EF	Mark /Roger G	01/02/19	12/31/19	2,443	185,324	182,881
		6942246	C	P310000	PO 4520217706/B-23	Shaw /Gary A.	10/01/19	01/31/21	0	0	0
		6942376	C	P067952	AGREEMENT DATED 5/19	Torralba /Antonio	10/14/19	12/15/20	97,998	250,958	152,960
		6942377	C	P067952	AGREEMENT DATED 5/19	Glass /James R	10/01/19	12/15/20	212,086	300,000	87,914
		6942378	C	P067952	AGREEMENT DATED 5/19	Madden /Samuel R	10/01/19	12/15/20	82,786	250,000	167,214
		6942379	C	P067952	AGREEMENT DATED 5/19	Fisher /John W	09/02/19	09/01/20	296,684	300,000	3,316
		6943228	C	P067952	AGREEMENT DATED 5/19	Szolovits /Peter	04/01/20	09/15/20	0	100,000	100,000
		Total by Primary Sponsor							2,589,798	15,266,379	2,814,848
003879 Northrop Grumman Integrated Systems Eastern Region	003879 Northrop Grumman Integrated Systems Eastern Region	6920762	C	P067950	AGMT. DTD. 9/1/09	Rus /Daniela L	09/01/09	08/31/20	7,103	366,637	20,714
		6920764	C	P067952	AGMT. DTD. 9/1/09	Jackson /Daniel	09/01/09	08/31/11	0	433,683	(0)
		6920765	C	P067952	AGMT. DTD. 9/1/09	Knight /Thomas F	09/01/09	08/31/10	0	149,025	0
		6920811	C	P067952	AGMT. DTD. 9/1/09	Liskov /Barbara H	09/01/09	03/31/13	0	562,364	0
		6923200	C	P067952	AGMT. DTD. 9/1/09	Devadas /Srinivas	09/01/10	08/31/11	0	180,801	0
		6923201	C	P067952	AGMT. DTD. 9/1/09	Zeldovich /Nickolai	09/01/10	08/31/11	0	189,719	0
		6924958	C	P067952	AGMT. DTD. 9/1/09	Devadas /Srinivas	09/01/11	08/31/13	0	199,791	(0)
		6924959	C	P067952	AGMT. DTD. 9/1/09	Jackson /Daniel	09/01/11	08/31/12	0	199,295	0
		6924960	C	P067952	AGMT. DTD. 9/1/09	Jaffe /Jeffrey	09/01/11	08/31/16	0	1,046,962	(0)
		6929037	C	P067952	AGMT. DTD. 9/1/09	Vaikuntanathan /Vinod	09/01/13	08/31/14	0	158,464	(0)
		6931065	C	P067952	AGMT. DTD. 9/1/09	Clark /David D	09/01/14	08/31/15	0	75,000	(0)
		Total by Primary Sponsor							7,103	3,561,743	20,714

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003903 Quest Diagnostics, Inc.	003903 Quest Diagnost	6938447	C	P121012	AGMT. DTD. 04/16/2018	Bertsimas /Dimitris J	04/16/18	12/31/20	169,552	400,000	70,757
	Total by Primary Sponsor								169,552	400,000	70,757
003904 BAE Systems Info & Electronic Systems Integration, Inc	003904 BAE Systems Info & Electronic Systems Integration, Inc	6938773	C	P061097	SUBCONTRACT 991829	Cahoy /Kerri	07/01/18	06/30/20	153,967	504,098	16,180
		6938779	C	P065004	SUBCONTRACT 992513	Hart /Anastasios John	07/01/18	12/31/20	230,481	525,167	64,454
		6938826	C	P061093	SUBCONTRACT 996610	Hansman /Robert J	07/01/18	12/31/20	247,345	289,673	36,065
		6941245	C	P065004	SUBCONTRACT 992513	Hart /Anastasios John	05/01/19	06/30/20	16,162	24,833	8,671
	Total by Primary Sponsor								647,954	1,343,770	125,371
003920 Exxon Mobil Research and Engineering Corporation	003920 Exxon Mobil Research and Engineering Corporation	6930982	C	P320000	EXXON-MOBIL MEMBER A	Armstrong /Robert C	10/01/14	09/30/19	0	1,060,307	835,307
		6931017	C	P320000	EXXON-MOBIL MEMBER A	Armstrong /Robert C	10/01/14	09/30/19	0	200,835	200,835
		6931962	C	P320000	EXXON-MOBIL MEMBER A	Ballinger /Ronald G	06/15/15	06/14/16	0	43,974	(0)
		6931963	C	P320000	EXXON-MOBIL MEMBER A	Ballinger /Ronald G	06/15/15	06/14/16	0	149,210	(0)
		6931964	C	P320000	EXXON-MOBIL MEMBER A	Ballinger /Ronald G	06/15/15	06/14/16	0	30,254	0
		6932441	C	P320000	EXXON MOBIL MEMBER A	Anand /Lalit	08/01/15	09/30/20	114,006	786,379	636
		6932475	C	P320000	EXXON-MOBIL MEMBER A	Grossman /Jeffrey C.	08/01/15	07/31/16	0	106,224	0
		6932476	C	P320000	EXXON-MOBIL MEMBER A	Grossman /Jeffrey C.	08/01/15	07/31/16	0	80,000	(0)
		6932477	C	P320000	EXXON-MOBIL MEMBER A	Grossman /Jeffrey C.	08/01/15	07/31/16	0	113,777	(0)
		6932584	C	P320000	EXXON-MOBIL MEMBER A	Varanasi /Kripa	09/01/15	08/31/19	9	453,158	(0)
		6932622	C	P320000	EXXON-MOBIL MEMBER A	Jensen /Klavs F	09/01/15	10/31/17	0	200,000	0
		6932623	C	P320000	EM09079.TO09	Braatz /Richard D	09/01/15	03/31/18	0	199,819	(0)
		6932628	C	P320000	EXXON-MOBIL MEMBER A	Ono /Shuhei	09/01/15	11/30/18	0	681,930	(0)
		6932671	C	P320000	EXXON MOBIL MEMBER A	Li /Ju	08/01/15	09/30/20	28,713	560,000	42,703
		6932920	C	P320000	EXXON-MOBIL MEMBER A	Holten-Andersen /Niels	10/01/15	05/31/19	1,270	199,540	0
		6932931	C	P320000	EXXON-MOBIL MEMBER A	Wierzbicki /Tomasz	10/01/15	09/30/17	0	199,807	(0)
		6933096	C	P320000	EXXON-MOBIL MEMBER A	McKinley /Gareth H	09/01/15	08/31/19	(10,895)	495,708	0
		6933120	C	P320000	EXXON-MOBIL MEMBER A	Herzog /Howard J	10/01/15	12/31/18	0	570,139	0
		6933121	C	P320000	EXXON-MOBIL MEMBER A	Paltsev /Sergey	10/01/15	12/31/18	0	629,837	0
		6933124	C	P320000	EXXON-MOBIL MEMBER A	Roman /Yuriy	11/15/15	11/14/18	(13,244)	623,840	(0)
		6933236	C	P320000	EXXON-MOBIL MEMBER A	Dinca /Mircea	11/15/15	11/14/18	0	565,531	0
		6933330	C	P320000	EXXON-MOBIL MEMBER A	Summons /Roger E	12/01/15	11/30/17	0	213,731	(0)
		6933399	C	P320000	EXXON-MOBIL MEMBER A	Williams /Brian C	01/01/16	12/31/19	117,495	1,200,000	(0)
		6933579	C	P320000	EXXON-MOBIL MEMBER A	Roman /Yuriy	11/15/15	08/31/16	0	6,115	0
		6934055	C	P320000	EXXON-MOBIL MEMBER A	Green /William H	04/01/16	08/31/17	0	245,854	0
		6934384	C	P320000	EXXON-MOBIL MEMBER A	Wierzbicki /Tomasz	06/01/16	11/30/17	0	73,787	(0)
		6934439	C	P320000	EXXON-MOBIL MEMBER A	Hager /Bradford H	07/14/16	04/30/17	0	125,000	0
		6934443	C	P320000	EXXON-MOBIL MEMBER A	Green /William H	04/01/16	03/31/17	0	14,529	0
		6935222	C	P320000	EXXON-MOBIL MEMBER A	Grossman /Jeffrey C.	09/01/16	10/31/19	844	858,860	0
		6935223	C	P320000	EXXON-MOBIL MEMBER A	Leeb /Steven B	08/01/16	06/01/20	231,723	910,822	(2,645)
		6935300	C	P320000	EXXON-MOBIL MEMBER A	Surendranath /Yogesh	09/01/16	05/31/17	0	60,000	0
		6935531	C	P320000	EXXON-MOBIL MEMBER A	Leeb /Steven B	08/01/16	07/31/18	0	60,000	(0)
		6935565	C	P320000	EXXON-MOBIL MEMBER A	Ono /Shuhei	01/01/17	11/30/18	0	56,510	0
		6935637	C	P320000	EM09079.TO20	Fang /Xuanlai	09/01/16	08/31/20	72,395	396,385	6,889
		6936087	C	P062000	EXXON-MOBIL MEMBER A	Green /William H	06/01/17	06/01/20	120,041	385,000	255

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		6936156	C	P320000	EM09079.TO22	Armstrong /Robert C	02/01/17	01/31/20	145,824	861,473	4,008
		6936238	C	P320000	EM09079.TO21	Forsberg /Charles W	01/01/17	12/31/18	(1,620)	360,000	0
		6936424	C	P320103	EXXON-MOBIL MEMBER A	Juanes /Ruben	03/01/17	03/31/21	202,003	831,827	114,097
		6936590	C	P320000	EXXON-MOBIL MEMBER A	Hager /Bradford H	03/15/17	12/31/20	246,705	1,400,706	14,618
		6936943	C	P320103	EXXON-MOBIL MEMBER A	Halton /Trevor Alan	06/01/17	07/31/20	277,370	1,211,762	2,848
		6937221	C	P320000	EXXON-MOBIL MEMBER A	Surendranath /Yogesh	09/01/17	02/28/21	342,631	1,153,329	63,338
		6937692	C	P320000	EM09079.TO27	Ono /Shuhei	12/01/17	04/30/19	0	224,684	0
		6937900	C	P320000	EM09079.TO28	Tasan /Cemal	11/13/17	09/30/18	0	19,282	(0)
		6938304	C	P320000	EXXON-MOBIL MEMBER A	Botterud /Audun	03/01/18	09/30/20	187,294	392,754	68,066
		6938547	C	P320000	EXXON-MOBIL MEMBER A	Botterud /Audun	03/01/18	09/30/20	125,232	302,759	71,100
		6939222	C	P320000	EM09079.TO32	Demagnet /Laurent	09/01/18	08/31/21	161,110	392,683	122,977
		6940033	C	P320000	EXXON-MOBIL MEMBER A	Roman /Yuriy	11/01/18	01/31/20	89,578	147,698	(0)
		6940337	C	P320000	RPO #TO35	Goulthorpe /Mark	12/01/18	05/31/21	47,676	300,000	212,401
		6940401	C	P320000	EXXON-MOBIL MEMBER A	Smith /Zachary P	01/01/19	12/31/20	296,547	600,340	282,197
		6940424	C	P320000	EXXON-MOBIL MEMBER A	Shao-Horn /Yang	01/01/19	06/30/20	122,424	200,000	13,677
		6940565	C	P320000	EXXON-MOBIL MEMBER A	Kirchain /Randolph E	01/01/19	02/29/20	129,343	200,000	6,040
		6940637	C	P320000	EXXON-MOBIL MEMBER A	Paltsev /Sergey	01/01/19	12/31/20	364,711	771,000	349,320
		6940690	C	P320000	EXXON-MOBIL MEMBER A	Sarma /Sanjay E	03/01/19	06/30/20	187,536	200,000	12,464
		6940955	C	P320000	EXXON-MOBIL MEMBER A	Magee /Christopher L	02/01/19	09/30/20	57,821	166,034	107,845
		6941272	C	P320103	EXXON-MOBIL MEMBER A	Halton /Trevor Alan	06/01/18	12/30/18	0	0	0
		6941837	C	P320000	EXXON-MOBIL MEMBER A	Kulik /Heather Janine	11/01/19	10/31/20	92,258	171,544	79,286
		6941984	C	P320000	LAW-2019-2878	Armstrong /Robert C	10/01/19	09/30/24	0	1,948,965	1,948,965
		6941994	C	P320000	LAW-2019-3699	Barton /Paul I	09/01/19	08/31/20	107,751	125,000	17,249
		6942334	C	P320000	LAW-2019-4029/TO106	Armstrong /Robert C	02/01/19	01/31/21	537,203	891,304	354,101
		6942444	C	P320000	LAW-2019-4054	Roman /Yuriy	01/01/20	06/30/20	63,229	86,881	23,652
		6943182	C	P320000	LAW-2019-2878	Olivetti /Elsa A	02/01/20	01/31/22	34,357	224,138	189,781
		6943404	C	P320000	LAW-2020-0633	Shao-Horn /Yang	05/01/20	04/30/23	0	273,371	273,371
		Total by Primary Sponsor							4,479,341	26,014,396	5,415,382
003964 Accenture LLP	003964 Accenture, LLP	6926863	C	P121152	PO#4501751689	Simchi-Levi /David	09/01/12	08/31/20	0	272,256	272,256
		6927718	C	P121012	AGREEMENT DATED 9/1/1	Zaman /Tauhid R	02/01/13	05/31/14	0	70,724	0
		6927719	C	P063007	AGMT DTD 9/1/12-ATTACH	Amin /Saurabh	02/01/13	10/31/14	0	99,986	(0)
		6927720	C	P063007	AGMT DTD 9/1/12-ATTACH	Simchi-Levi /David	12/01/12	01/15/14	0	96,823	(0)
		6927756	C	P121152	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/12	08/31/20	91,829	560,000	(31,485)
		6928026	C	P063007	AGREEMENT DATED 9/1/1	Gonzalez /Marta C.	01/04/13	01/31/15	0	100,730	(0)
		6928271	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	07/01/13	06/30/16	0	448,409	(0)
		6928401	C	P121012	AGREEMENT DATED 9/1/1	Rudin /Cynthia	06/15/13	09/30/14	0	100,000	0
		6928402	C	P121012	AGREEMENT DATED 9/1/1	Bertsimas /Dimitris J	02/01/13	05/31/15	0	100,000	0
		6928584	C	P063007	AGREEMENT DATED 9/1/1	Williams /John R	06/01/13	05/31/15	0	198,785	0
		6928816	C	P121012	AGREEMENT DATED 9/1/1	Farias /Vivek F.	03/15/13	09/15/14	0	59,891	0
		6928853	C	P121012	AGREEMENT DATED 9/1/1	Perakis /Georgia	09/01/13	02/28/15	0	100,000	(0)
		6928885	C	P320000	MRA 9/1/2012; RPP 9/1/20	O'Sullivan /Francis Martin	09/01/13	05/31/15	0	149,985	(0)
		6929110	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	11/01/13	08/31/14	0	30,198	0
		6929117	C	P063007	AGREEMENT DATED 9/1/1	Osorio Pizano /Carolina	09/01/13	08/31/14	0	125,092	0
		6931033	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/14	05/31/16	0	187,348	0

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		6931034	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/14	05/31/16	0	153,901	0
		6931045	C	P121012	AGREEMENT DATED 9/1/1	Bertsimas /Dimitris J	09/01/14	05/31/16	0	200,000	0
		6931112	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/12	08/31/17	0	158,115	0
		6932431	C	P121012	AGREEMENT DATED 7/21	Perakis /Georgia	09/01/15	06/30/17	0	125,000	0
		6932450	C	P122070	AGREEMENT DATED 08/0	Chen /Hui	05/01/15	12/31/17	0	275,000	(0)
		6932520	C	P121012	AGREEMENT DATED 9/1/1	Rudin /Cynthia	03/20/15	03/31/16	0	100,000	0
		6932734	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/12	08/31/16	0	125,068	(0)
		6934527	C	P063007	AGREEMENT DATED 07/2	Williams /John R	08/01/16	06/30/18	0	125,000	0
		6934631	C	P067952	AGREEMENT EFF. 08/15/2	Solar Lezama /Armando	08/15/16	01/15/17	(1,243)	96,457	1,075
		6934901	C	P063007	PO# TBD	Simchi-Levi /David	09/01/16	12/31/17	0	163,154	0
		6935099	C	P067952	PO#4501751689	Barzilay /Regina	09/01/16	08/31/18	0	124,536	0
		6935426	C	P068700	AGMT. DTD. 11/1/16	Veeramachaneni /Kalyan	11/01/16	11/30/20	330,167	1,489,000	144,208
		6936850	C	P400600	AGREEMENT DATED MAY	Gabrieli /John D. E.	07/01/17	07/31/19	15,904	171,076	(0)
		6938241	C	P091000	AGMT DTD 3/9/18	Autor /David H	03/01/18	03/01/20	44,273	266,436	96,261
		6941019	C	P068700	AGMT. DTD. 6/1/19	Veeramachaneni /Kalyan	08/01/19	08/01/20	366,197	500,000	133,803
		6942217	C	P063007	PO#4501751689	Williams /John R	09/01/19	08/31/20	23,981	125,000	101,019
		6942227	C	P063007	PO#4501751689	Simchi-Levi /David	09/01/19	08/31/20	74,784	125,000	50,216
Total by Primary Sponsor									945,892	7,022,969	767,354
003999 Multi-Source	003999 Multi-Source	6455500	C	P121110	MEMO DATED 5/9/96	Madnick /Stuart E	05/09/96	06/30/21	372	70,543	5,715
		6455600	C	P121110	MEMO DATED 5/9/96	Siegel /Michael D	05/09/96	06/30/21	0	72,266	1,545
		6455700	C	P121110	MEMO DATED 5/9/96	Gupta /Amar	05/09/96	08/25/04	0	23,422	(0)
		6930771	C	P063075	MASTER RESEARCH AGR	Ulm /Franz-Josef	09/01/14	08/31/19	0	23,801	23,801
		6940214	C	P417500	MASTER RESEARCH AGR	Kirchain /Randolph E	01/01/19	08/31/19	7,822	34,580	(0)
	Total by Primary Sponsor									8,194	224,613
004002 Omron Corporation	004002 Omron Corpora	6938309	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	04/01/18	03/31/21	40,330	900,000	815,364
	Total by Primary Sponsor									40,330	900,000
004012 Oracle America, Inc.	004012 Oracle America Inc.	6938465	C	P063007	PROJECT #2, AGMT DTD.	Simchi-Levi /David	01/01/18	02/28/20	71,657	102,885	0
		6942048	C	P121012	PROJECT #3, AGMT DTD.	Perakis /Georgia	11/01/19	01/31/21	61,048	100,000	38,952
	Total by Primary Sponsor									132,706	202,885
004031 Otsuka Pharmaceutical Factory, Incorporated	004031 Otsuka Pharma	6938236	C	P152000	SRA DATED 3/13/18	Johnson /Jeremiah A.	04/01/18	07/31/20	45,301	153,600	20,128
		Total by Primary Sponsor									45,301
004090 Pfizer Incorporated	004090 Pfizer Incorporated	6899047	C	P067952	AGMT EFF 1/1/06	Davis /Randall	01/01/06	12/31/19	(0)	640,898	263,506
		6923880	C	P402010	P.O. 8500217453	Love /John C	05/04/11	12/31/22	1,944	527,069	(4,332)
		6929088	C	P402010	P.O. 8500217453	Love /John C	12/17/13	08/28/20	15,512	811,499	(3,652)
		6929202	C	P069201	PFIZER-MIT RCA SYNTH	Lu /Timothy K	12/23/13	12/22/17	(13)	1,385,394	(0)
		6930160	C	P402000	AGREEMENT DATED 5/29	Cima /Michael J	06/01/14	12/31/19	0	393,683	55
		6930206	C	P402000	AGREEMENT DATED 5/29	Cima /Michael J	06/01/14	08/31/16	0	86,003	0
		6931294	C	P069201	AGREEMENT DTD 12/24/2	Weiss /Ron	01/01/15	06/22/19	(6,108)	2,589,123	(744)

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		6931378	C	P069201	AGREEMENT DTD 12/24/19	Weiss /Ron	01/01/15	06/22/19	0	403,050	0
		6932276	C	P069201	AGREEMENT EXECUTED	Lu /Timothy K	06/17/15	06/16/19	0	665,425	0
		6932382	C	P069201	RA EFFECTIVE 06/17/2015	Lu /Timothy K	06/17/15	06/16/19	0	788,381	(0)
		6932383	C	P069201	RA EFFECTIVE 06/17/2015	Weiss /Ron	06/17/15	06/16/19	753	977,914	(3,441)
		6932384	C	P069201	RA EFFECTIVE 06/17/2015	Lauffenburger /Douglas A	06/17/15	06/16/19	0	568,264	(0)
		6934963	C	P067952	PO# 8501224430	Kellis /Manolis	09/01/16	08/31/18	0	1,922,794	(84,059)
		6939034	C	P067952	PO# 8501891342	Katabi /Dina	07/01/18	03/31/20	177,523	180,000	64
		6939735	C	P062000	PO 8501992622	Green /William H	10/09/18	12/08/20	139,790	200,000	53,878
		6940050	C	P062000	PO# 8502072909	Jensen /Klavs F	12/12/18	12/11/20	105,384	197,000	79,004
		6942256	C	P062000	RESEARCH AGREEMENT	Jensen /Klavs F	12/01/19	12/31/20	9,004	135,000	125,996
	6942455	C	P402010	PO#8502487395	Love /John C	12/19/19	12/31/22	23,091	1,500,427	1,477,336	
Total by Primary Sponsor									466,880	13,971,924	1,903,610
004093 Philip Morris Incorporated	004093 Philip Morris Inc	6933271	C	P062000	PO #7100739755	Rutledge /Gregory C	09/01/15	08/31/19	14,077	696,072	0
	Total by Primary Sponsor									14,077	696,072
004096 Philips Research Laboratory	004096 Philips Research	6932823	C	P061901	EFF 5/19/15 - MASTER RE	Mark /Roger G	07/02/15	12/31/20	0	416,206	0
	Total by Primary Sponsor									0	416,206
004138 Procter & Gamble Company	004138 Procter & Gamble Company	6926026	C	P065004	G4P-4502761581	Hart /Anastasios John	06/01/12	12/31/19	16,201	32,541	(16,201)
		6928013	C	P065004	PO 4502570797 / PO# G4F	Hart /Anastasios John	06/01/12	12/31/19	0	407,459	16,148
	Total by Primary Sponsor									16,201	440,000
004150 Pratt & Whitney	004150 Pratt & Whitney	6929779	C	P320000	RPP PW2014-02	Annaswamy /Anuradha M	05/01/14	08/31/15	0	125,000	(0)
	006169 Indian Institute of	6940405	C	P065004	AGMT DTD. 3/25/19	Ghoniem /Ahmed F	01/15/18	06/30/20	52,015	60,000	7,811
	Total by Primary Sponsor									52,015	185,000
004184 Saudi Aramco	004184 Saudi Aramco	6942684	C	P065005		McKinley /Gareth H	05/01/20	04/30/23	26,451	499,390	472,939
	Total by Primary Sponsor									26,451	499,390
004195 Roche Diagnostics Corporation	004195 Roche Diagnostics Corporation	6933111	C	P400600	AGREEMENT DTD. DECEMBER	Feng /Guoping	12/01/15	12/31/18	(808)	1,000,000	(0)
		6935607	C	P402000	AGREEMENT DATED 10/1	Langer /Robert S	05/01/16	04/30/18	0	95,086	0
	Total by Primary Sponsor									(808)	1,095,086
004237 Samsung	004237 Samsung	6924000	C	P062000	MASTER RESEARCH AGR	Bazant /Martin Z	06/01/12	05/31/13	0	100,000	(0)
		6936960	C	P067952	AGREEMENT DATED 9/1/1	Torralba /Antonio	09/01/17	08/31/18	1,780	170,000	61,993
		6938909	C	P065004	GRO RESEARCH AGREEMENT	Hogan /Neville	07/01/18	06/30/20	106,991	300,000	42,402
		6939580	C	P065004	GRO RESEARCH AGREEMENT	Kim /Jeehwan	10/01/18	11/30/20	93,039	300,000	99,237
		6942394	C	P065004	AGMT DTD 12/16/19	Kim /Jeehwan	12/16/19	12/15/20	52,205	130,000	77,795
	Total by Primary Sponsor									254,016	1,000,000
004240 Research Corporation	004240 Research Corp	6929397	C	P152000	22758	Dinca /Mircea	07/01/14	06/30/19	1,453	70,000	(0)

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	Total by Primary Sponsor								1,453	70,000	(0)
004265 Statoil Hydro ASA	004265 Statoil Hydro ASA	7690600	C	P122030	CENTER FOR COORDIN	Malone /Thomas W	01/01/92	12/31/95	0	450,000	(0)
	Total by Primary Sponsor								0	450,000	(0)
004293 SNECMA	004293 SNECMA	6930787	C	P061094	PO 920438165/RESEARC	Spakovszky /Zoltan S	09/01/14	08/31/19	30,897	1,106,505	53,941
		6936707	C	P061094	PO 920438165/RESEARC	Spakovszky /Zoltan S	05/01/17	08/31/19	6,532	95,400	(40,851)
	Total by Primary Sponsor								37,429	1,201,905	13,090
004305 Schlumberger - Doll Research Center	004305 Schlumberger - Doll Research Center	6926115	C	P063007	SCHLUMBERGER MITEI S	Williams /John R	06/01/12	04/30/13	0	30,000	(0)
		6941861	C	P061097	AGMT DTD 11/4/19	Marzouk /Youssef M	09/01/19	08/31/21	80,748	318,583	237,834
	Total by Primary Sponsor								80,748	348,583	237,834
004329 Semiconductor Research Corporation	004329 Semiconductor Research Corporation	6934865	C	P267200	2016-EP-2693-B	Soljadic /Marin	10/01/16	12/31/19	10,997	164,805	0
		6935408	C	P067952	2016-EP-2693-B	Sanchez Martin /Daniel	10/01/16	12/31/19	17,580	99,828	0
		6935409	C	P267111	2016-EP-2693-B	Englund /Dirk R.	10/01/16	12/31/19	114,059	164,907	0
		6936676	C	P060600	SRC CONTRACT NO. 201	Han /Ruonan	07/01/17	12/31/20	123,705	339,000	9,248
		6938472	C	P066000	CONTRACT# 2018-NM-27	Ross /Caroline A	01/01/18	12/31/20	(20,236)	270,000	15,700
		6938647	C	P069850	2018-NC-2764-D	Thompson /Carl Vernet	01/01/18	12/31/20	599	89,000	35,720
		6938795	C	P060600	2018-LM-2832	del Alamo /Jesus A	07/01/18	06/30/21	96,979	264,000	102,460
		6942101	C	P060600	2020-LM-2963	Palacios /Tomas	01/01/20	12/31/20	10,454	88,785	78,331
		6942236	C	P060600	2020-AH-2944	Han /Song	01/01/20	12/31/20	37,155	90,000	52,845
	007180 Purdue Univers	6938271	C	P400600	GRANT NO. 4301-83286	DiCarlo /James	01/01/18	12/31/20	230,244	750,000	140,957
		6938391	C	P400600	GRANT NO. 4301-83286	Poggio /Tomaso A	01/01/18	12/31/20	152,272	750,000	184,975
	007617 University of Minnesota	6940054	C	P066000	A007462901	Ross /Caroline A	10/01/18	12/31/20	96,148	205,000	(6,172)
		6940183	C	P066000	A007462901	Beach /Geoffrey Stephen	10/01/18	12/31/19	106,217	205,000	(39,664)
		6940184	C	P060600	A007462901	Liu /Luqiao	10/01/18	12/31/19	50,743	147,050	13,143
		6942390	C	P066000	A007462901	Ross /Caroline A	01/01/20	12/31/20	148,263	165,000	16,737
		6942446	C	P066000	A007462901	Beach /Geoffrey Stephen	01/01/20	12/31/20	96,961	165,000	68,039
		6942447	C	P060600	A007462901	Liu /Luqiao	09/01/19	12/31/20	59,128	117,650	58,522
	Total by Primary Sponsor								1,331,266	4,075,025	730,842
004332 Shell Global Solutions	004332 Shell Global Solutions	6925635	C	P320000	SHELL MITEI FOUNDING I	Williams /John R	03/01/12	04/30/17	0	568,600	0
		6929060	C	P320000	SHELL CONTRACT NO. G	Varanasi /Kripa	01/01/14	03/31/16	0	250,000	(0)
		6933024	C	P320000	SHELL MITEI FOUNDING I	Williams /John R	09/01/15	08/31/16	0	60,000	0
	Total by Primary Sponsor								0	878,599	0
004334 Siemens Ag	004334 Siemens Ag	6202600	C	P400600	AGREEMENT DATED 6/13	Poggio /Tomaso A	07/01/93	12/31/19	0	0	(307)
		6202800	C	P068600	AGREEMENT DATED 5/30	Rivest /Ronald L	01/01/94	12/31/14	0	87,505	0
		6203200	C	P154500	AGREEMENT DATED 6/13	Jordan /Michael I	10/01/93	12/31/14	0	50,000	0
		6203300	C	P068600	AGREEMENT DATED 5/30	Rivest /Ronald L	10/01/93	02/28/95	0	49,837	(0)
		6203400	C	P400600	AGREEMENT DATED 6/13	Poggio /Tomaso A	10/01/93	12/31/19	(469)	100,000	(0)
		6326500	C	P154500	AGREEMENT DATED 6/13	Jordan /Michael I	10/01/94	12/31/14	0	50,000	1,395

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		6326600	C	P400600	AGREEMENT DATED 6/13	Poggio /Tomaso A	10/01/94	12/31/19	(6,192)	100,000	2,590
	Total by Primary Sponsor								(6,660)	437,343	3,678
004356 Sony Corporation	004356 Sony Corporation	6941125	C	P067952	PO - 4200429831	Sanchez Martin /Daniel	07/01/19	06/30/20	103,863	100,000	(3,863)
	Total by Primary Sponsor								103,863	100,000	(3,863)
004381 Sumitomo Heavy Industries Limited	004381 Sumitomo Heavy Industries Limited	6927577	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	04/01/13	05/31/21	249,820	1,624,864	(17,364)
		6928687	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/17/13	08/14/14	0	14,205	0
		6930198	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/23/14	08/31/15	0	9,993	0
		6930305	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/10/14	03/31/15	0	7,805	0
		6931064	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	10/28/14	03/31/15	0	20,850	0
		6931673	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	03/09/15	06/30/16	0	21,976	0
		6931887	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	05/01/15	12/01/16	0	21,041	0
		6933163	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	11/01/15	05/09/17	0	13,050	0
		6933439	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	04/01/15	03/31/19	0	10,706	0
		6934899	C	P067952	AGREEMENT EFF. 10/01/2	Katabi /Dina	10/01/16	09/30/19	297,934	436,472	(4,780)
		6935952	C	P067952	AGREEMENT EFF. 10/01/2	Katabi /Dina	10/01/16	03/31/19	(540)	208,982	0
		6937510	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/20/17	03/31/19	0	30,277	0
		6938964	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/01/18	03/01/19	(1,417)	12,233	1,417
		6941094	C	P065004	AGMT DTD TBD	Krebs /Hermano I	07/04/19	05/31/21	223,883	247,946	24,063
		6941195	C	P065004	AGMT DTD TBD	Krebs /Hermano I	07/04/19	05/30/21	12,472	50,000	37,528
		6941772	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/22/19	05/31/21	18,726	13,000	(5,726)
	Total by Primary Sponsor								800,878	2,743,400	35,139
004418 Steelcase Incorporated	004418 Steelcase, Incorporated	6933702	C	P031000	AGREEMENT EFFECTIVE	Tibbits /Skylar	12/12/15	11/30/20	0	2	2
		6933703	C	P031000	AGREEMENT EFFECTIVE	Tibbits /Skylar	12/12/15	09/01/16	0	53,645	(0)
		6935033	C	P031000	RPP NO. 2	Tibbits /Skylar	09/01/16	10/31/17	0	175,073	(0)
		6935133	C	P031000	RPP NO. 3	Tibbits /Skylar	11/01/16	04/30/17	0	55,422	0
		6937207	C	P031000	AGREEMENT EFFECTIVE	Tibbits /Skylar	08/15/17	03/31/18	0	80,281	0
	Total by Primary Sponsor								0	364,424	2
004436 Texas Instruments, Incorporated	004436 Texas Instruments, Incorporated	6891026	C	P060600	AGMT EFF. 7/1/00	Sodini /Charles G	07/01/00	12/31/19	0	69,554	(833)
		6891081	C	P060600	AGMT EFF. 7/1/00	Sodini /Charles G	07/01/00	06/30/10	0	286,446	0
		6891082	C	P060600	AGMT EFF. 7/1/00	Lee /Hae-Seung	07/01/00	12/31/19	18,916	285,000	0
		6891083	C	P060600	AGMT EFF. 7/1/00	Chandrakasan /Anantha P	07/01/00	06/30/10	0	409,000	0
	Total by Primary Sponsor								18,916	1,050,000	(833)
004456 Toray Industries	004456 Toray Industries	6938390	C	P402410	AGMT DTD 4/21/2018	Lienhard /John H	04/21/18	04/20/20	21,809	60,000	31,145
	Total by Primary Sponsor								21,809	60,000	31,145
004458 Toyota	004458 Toyota	6938267	C	P069400		Trancik /Jessika	04/01/18	03/31/20	58,797	250,000	(0)

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	Total by Primary Sponsor								58,797	250,000	(0)
004471 Tokyo Electric (Tepco)	004471 Tokyo Electric (Tepco)	6934737	C	P068000	AGREEMENT EFF. 09/01/2	Golay /Michael W	09/01/16	08/31/19	40,110	499,694	0
		6939080	C	P068000	AGMT. DTD. 8/9/18	Buongiorno /Jacopo	09/01/18	03/31/20	113,619	200,000	0
	Total by Primary Sponsor								153,730	699,694	0
004501 TIAA-CREF	004501 TIAA-CREF	6940052	C	P069501	MIT-TIAA SRA 2018.12.11	Coughlin /Joseph F	07/16/18	05/31/20	297,706	400,000	267
	Total by Primary Sponsor								297,706	400,000	267
004511 Shell International Renewables B.V.	004511 Shell Internatio	6940748	C	P320000	SHELL CONTRACT NO. GI	Gencer /Emre	04/01/19	09/30/20	167,623	200,000	31,562
	Total by Primary Sponsor								167,623	200,000	31,562
004534 Samsung Advanced Institute of Technology	004534 Samsung Advanced Institute of Technology	6923989	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	2,201	617
		6923990	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	13,697	13,697
		6923991	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	872,075	0
		6923992	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	425,971	6,587
		6923993	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	3,923,644	0
		6923995	C	P267110	MASTER RESEARCH AGR	Grossman /Jeffrey C.	06/01/11	05/31/16	0	1,399,979	0
		6923996	C	P267110	MASTER RESEARCH AGR	Bulovic /Vladimir	06/01/11	05/31/16	0	1,200,000	0
		6923997	C	P267500	MASTER RESEARCH AGR	Bawendi /Moungi G	06/01/11	08/31/16	0	1,199,910	(0)
		6923998	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	2,399,439	(470)
		6923999	C	P062000	MASTER RESEARCH AGR	Hammond /Paula T	06/01/11	05/31/14	0	789,149	0
		6924001	C	P062000	MASTER RESEARCH AGR	Hammond /Paula T	09/01/12	09/30/13	0	106,729	0
		6924002	C	P062000	MASTER RESEARCH AGR	Hammond /Paula T	06/01/11	05/31/14	0	34,328	(0)
		6924003	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/13	06/30/18	0	114,565	0
		6924004	C	P062000	MASTER RESEARCH AGR	Hammond /Paula T	06/01/13	11/30/16	0	274,328	(0)
		6924005	C	P065005	MASTER RESEARCH AGR	Shao-Horn /Yang	06/01/13	05/31/15	0	245,325	0
		6924006	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/13	06/30/18	0	146,220	(0)
		6927020	C	P065004	MASTER RESEARCH AGR	Shao-Horn /Yang	09/01/12	06/30/13	0	91,182	0
		6928131	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	07/01/13	05/31/16	0	64,006	0
		6928373	C	P062000	MASTER RESEARCH AGR	Bazant /Martin Z	06/01/13	05/31/16	0	300,000	0
		6928793	C	P065005	MASTER RESEARCH AGR	Shao-Horn /Yang	10/15/13	05/31/15	0	69,220	0
		6932395	C	P267200	MASTER RESEARCH AGR	Shao-Horn /Yang	06/01/15	06/30/18	0	289,680	0
		6932397	C	P267200	MASTER RESEARCH AGR	Shao-Horn /Yang	06/01/15	06/30/18	0	185,578	0
		6934559	C	P267200	AGREEMENT EFF. 08/01/2	Shao-Horn /Yang	08/01/16	07/31/19	12,691	814,672	(0)
		6934972	C	P267200	AGREEMENT EFF. 08/01/2	Johnson /Jeremiah A.	08/01/16	07/31/19	4,574	600,000	0
		6935446	C	P152000	GRO RESEARCH AGREEM	So /Peter T. C.	12/01/16	09/30/20	120,459	456,899	61,941
		6938870	C	P152000	GRO RESEARCH AGREEM	So /Peter T. C.	03/01/18	05/31/19	0	259,265	(0)
		6938920	C	P159900	AGMT DATED 1 JULY 2011	Harrow /Aram W.	07/01/18	06/30/21	401,140	1,350,000	892,255
		6938974	C	P152000	GRO RESEARCH AGREEM	So /Peter T. C.	07/01/18	02/28/19	0	6,706	0
		6939411	C	P060600	AGMT. DTD. 09/01/2018	Palacios /Tomas	09/01/18	03/04/21	144,953	400,000	139,314
		6939430	C	P060600	AGMT. DTD. 09/01/2018	Han /Song	09/01/18	12/31/20	348,595	400,000	48,821
		6939759	C	P068000	AGRMT DTD 8/1/18	Li /Ju	08/01/18	07/31/21	571,314	900,000	(3,087)
		6940621	C	P417500	AGRMT DATED 1/15/19	Rupp /Jennifer Lilia Marguerit	01/15/19	07/14/21	337,748	750,000	315,377

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		6942288	C	P267111	GRO RESEARCH AGMT D	Grossman /Jeffrey C.	10/01/19	09/30/20	78,729	150,000	71,271
		6942458	C	P060600	AGMT DATED 12/23/2019	Shulaker /Max M.	12/23/19	12/23/20	19	150,000	149,981
		6943114	C	P152000	SRA DTD 5/6/20	Bawendi /Moungi G	03/15/20	03/14/22	125,240	800,000	674,760
		6943186	C	P267500	AGMT DTD. 5/6/2020	Bulovic /Vladimir	03/15/20	03/14/22	41,619	800,000	758,381
	Total by Primary Sponsor								2,187,080	21,984,764	3,129,444
004563 TDK U.S.A. Corporation	004563 TDK U.S.A. Cor	6935712	C	P060600	AGMT DTD 2/1/2017	Han /Ruonan	07/01/17	07/31/20	56,509	162,000	24,491
	Total by Primary Sponsor								56,509	162,000	24,491
004565 Sikorsky Aircraft	004565 Sikorsky Aircraf	6926827	C	P320000	UTC MITEI RPP 78137329	Brisson /John G	09/01/12	03/31/17	0	228,000	0
	Total by Primary Sponsor								0	228,000	0
004570 Toyota Motor Corporation	004570 Toyota Motor C	6942072	C	P267200	AGMT DTD 11/8/19	Shao-Horn /Yang	09/01/19	08/31/20	81,884	100,000	18,116
	Total by Primary Sponsor								81,884	100,000	18,116
004623 United Technologies Corporation	004623 United Technologies Corporation	6926824	C	P320000	UTC MITEI SUSTAINING M	Armstrong /Robert C	03/01/12	12/31/18	0	11	11
		6926825	C	P320000	UTC MITEI RESEARCH PF	Perreault /David J	09/01/12	08/31/13	0	477	(0)
		6926936	C	P320000	UTC MITEI RESEARCH PF	Shao-Horn /Yang	09/01/12	08/31/14	0	149,000	0
		6927643	C	P320000	UTC MITEI RESEARCH PF	Parrilo /Pablo A	04/01/13	03/31/14	0	38,491	0
		6929778	C	P320000	RPP PW2018-001	Peraire /Jaime	03/01/14	12/31/18	0	601,913	(0)
		6929880	C	P320000	RPP 1190626, AMENDME	Simchi-Levi /David	05/01/14	10/31/16	0	131,509	0
	Total by Primary Sponsor								0	921,401	11
004625 Pratt & Whitney: A United Technologies Company	004625 Pratt & Whitney	6940589	C	P061093	SRA DTD. 04/25/2019	Peraire /Jaime	02/01/19	12/31/19	69,334	100,000	(42)
	Total by Primary Sponsor								69,334	100,000	(42)
004635 United Parcel Service	004635 United Parcel S	6939134	C	P069500	AGREEMENT DTTD 8/1/18	Sheffi /Yosef	08/01/18	01/31/21	619,372	1,390,000	504,042
	Total by Primary Sponsor								619,372	1,390,000	504,042
004719 Suruga Bank	004719 Suruga Bank	6932894	C	P121175	AGMNT DTD 6/1/15	Urban /Glen L	06/01/15	05/31/19	(225)	1,000,000	(0)
	Total by Primary Sponsor								(225)	1,000,000	(0)
004817 Millennium Pharmaceuticals, Incorporated	004817 Millennium Pha	6935994	C	P039010	AGREEMENT DATED 3/17	Picard /Rosalind W.	02/01/17	06/30/20	120,851	806,149	51
	Total by Primary Sponsor								120,851	806,149	51
004866 Mitsubishi Electric Corporation	004866 Mitsubishi Electric Corporation	6932893	C	P121012	AGMNT DTD 9/1/15	Bertsimas /Dimitris J	01/01/16	08/31/20	244,933	1,008,000	83,476
		6935601	C	P154500	RESEARCH AGREEMENT	Tenenbaum /Joshua B	10/01/16	12/31/20	172,849	690,000	75,243
	Total by Primary Sponsor								417,782	1,698,000	158,719
004883 Yamaha	004883 Yamaha	6938935	C	P069850	AGREEMENT DTD 6/12/18	Tasan /Cemal	06/12/18	02/29/20	27,892	115,357	4,377

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	Total by Primary Sponsor								27,892	115,357	4,377
004886 YPF TECNOLOGIA S.A.	004886 YPF TECNOLOGIA S.A.	6940279	C	P063007	TBD	Einstein /Herbert H	02/01/19	03/31/21	86,700	227,609	136,261
		6940629	C	P065004	SRA DTD. 04/16/2019	Hunter /Ian	04/16/19	07/31/20	(19,011)	250,000	235,219
		6941297	C	P152000	SRA DTD. 04/16/2019	Swager /Timothy M	04/16/19	07/31/20	250,566	250,000	(566)
	Total by Primary Sponsor								318,255	727,609	370,913
004913 Delta Electronics, Incorporated	004913 Delta Electronics, Incorporate	6934222	C	P060600	AGMT DTD 5/1/2016	Chandrakasan /Anantha P	05/01/16	04/30/20	180,229	900,000	231,996
		6934407	C	P067952	AGMT DTD. 7/1/2016	Katabi /Dina	07/01/16	07/01/19	34,196	900,000	3,782
	Total by Primary Sponsor								214,426	1,800,000	235,778
004939 Glaxo Smith Kline	004939 Glaxo Smith Kline	6935803	C	P039010	PO 3000738523/CO 30000	Larson /Kent	12/01/16	11/30/18	0	299,958	0
		6938348	C	P402000	PO# 3001296371	Koehler /Angela Nicole	04/01/18	03/31/20	106,639	300,000	(837)
		6938349	C	P402000	PO# 3001296336	Sharp /Phillip A	06/01/18	05/31/20	131,413	300,000	(201)
		6938350	C	P267110	PO# 3001296369	Voldman /Joel	04/01/18	12/31/20	110,218	299,992	23,207
		6938441	C	P061901	PO#3001370305	Shalek /Alexander K	08/20/18	08/19/20	158,775	300,000	21,368
	Total by Primary Sponsor								507,045	1,499,950	43,537
004967 Adidas America	004967 Adidas America	6936520	C	P065004	PO 4900535915	Hosoi /Anette E	09/01/17	08/31/20	91,223	320,311	67,279
		6940244	C	P065004	PO4500596847	Hosoi /Anette E	01/01/19	12/31/20	49,865	122,684	48,850
		6940408	C	P065004	AGREEMENT DTD 3/5/19	Hosoi /Anette E	01/01/19	05/31/20	68,287	108,689	1,983
	Total by Primary Sponsor								209,375	551,685	118,112
004999 Multi-Sponsored Consortium	004999 Multi-Sponsorer Consortium	6264400	C	P067971	MASTER AGREEMENT	Berners-Lee /Timothy J	10/01/94	12/31/21	300,248	51,494,896	32,028,629
		6344000	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	01/01/95	12/31/24	0	555,123	554,839
		6344100	C	P069501	CONSORTIUM AGMT	Sheffi /Yosef	01/01/95	12/31/24	57,732	1,857,069	50,356
		6345400	C	P069501	MASTER AGREEMENT	Malone /Thomas W	03/01/98	12/31/04	0	150,000	0
		6345500	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	06/01/98	12/31/00	0	15,258	0
		6345600	C	P069501	MASTER AGREEMENT	Jap /Sandy D	08/01/99	12/31/01	0	2,561	(0)
		6345700	C	P069501	MASTER AGREEMENT	Rice /James B	01/01/03	12/31/24	0	140,000	104,117
		6592900	C	P122030	PRIOR AGREEMENT	Malone /Thomas W	07/01/97	09/30/99	0	2,777	0
		6593000	C	P122030	PRIOR AGREEMENT	Malone /Thomas W	07/01/97	09/30/99	0	318	(0)
		6593100	C	P122030	PRIOR AGREEMENT	Malone /Thomas W	07/01/97	09/30/99	0	119	(0)
		6827886	C	P320000	MITEI MEMBERSHIP SEEC	Donaldson /David John	06/01/13	05/31/14	0	57,237	(0)
		6869300	C	P061093	MASTER AGREEMENT	Belobaba /Peter P	07/01/99	03/31/21	420,773	5,709,000	197,685
		6885000	C	P320000	MASTER AGREEMENT	Wong /Victor W	08/31/99	05/31/01	0	31,696	0
		6890652	C	P067914	MASTER AGREEMENT	Finn /Carmen	05/01/00	06/30/20	0	493,108	(558)
		6890984	C	P067952	MASTER AGREEMENT	Zue /Victor Waito	07/01/00	06/30/20	148,344	3,479,100	131,095
		6891091	C	P068600	MULTI-SPONSOR	Ackerman /Mark S	05/01/00	04/30/02	0	55,297	0
		6891092	C	P067952	MULTI-SPONSOR	Agarwal /Anant	05/01/00	06/30/19	0	875,976	147,726
		6891093	C	P067952	MULTI-SPONSOR	Amarasinghe /Saman P	05/01/00	06/30/06	0	375,000	(0)
		6891094	C	P067952	MULTI-SPONSOR	Asanovic /Krste	05/01/00	06/30/07	0	150,000	(0)
		6891095	C	P067952	MULTI-SPONSOR	Balakrishnan /Hari	05/01/00	06/30/04	0	100,000	(0)

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		6891096	C	P067952	MULTI-SPONSOR	Clark /David D	05/01/00	06/30/06	0	100,000	0
		6891097	C	P067952	MULTI-SPONSOR	Devadas /Srinivas	05/01/00	06/30/10	0	1,016,644	(0)
		6891098	C	P067952	MULTI-SPONSOR	Dorsey /Julie	05/01/00	06/30/05	0	300,000	0
		6891099	C	P067952	MULTI-SPONSOR	Gifford /David K	05/01/00	06/30/14	0	50,000	(0)
		6891100	C	P068600	MULTI-SPONSOR	Guttag /John V	05/01/00	04/30/03	0	49,999	0
		6891101	C	P067952	MULTI-SPONSOR	Karger /David R	05/01/00	06/30/06	0	349,849	(0)
		6891102	C	P067952	MULTI-SPONSOR	Kaashoek /M. Frans	05/01/00	06/30/20	60,649	464,194	2,069
		6891103	C	P068600	MULTI-SPONSOR	Lynch /Nancy Ann	05/01/00	06/30/02	0	49,991	(0)
		6891104	C	P067952	MULTI-SPONSOR	Morris /Robert Tappan	05/01/00	06/30/06	0	305,000	(0)
		6891105	C	P067952	MULTI-SPONSOR	Rinard /Martin C	05/01/00	06/30/20	289	150,000	(8,667)
		6891106	C	P067952	MULTI-SPONSOR	Rivest /Ronald L	05/01/00	06/30/10	0	344,932	(0)
		6891107	C	P067952	MULTI-SPONSOR	Szolovits /Peter	05/01/00	06/30/16	0	100,322	(0)
		6891108	C	P067952	MULTI-SPONSOR	Ward /Stephen A	05/01/00	06/30/08	0	850,000	0
		6891109	C	P067952	MULTI-SPONSOR	Glass /James R	05/01/00	06/30/07	0	2,723,966	0
		6891110	C	P067952	MULTI-SPONSOR	Darrell /Trevor J	05/01/00	06/30/08	0	908,561	(0)
		6891111	C	P067952	MULTI-SPONSOR	Grimson /William E	05/01/00	06/30/03	0	200,000	(0)
		6891112	C	P067952	MULTI-SPONSOR	Grimson /William E	05/01/00	06/30/03	0	100,000	(0)
		6891113	C	P067952	MULTI-SPONSOR	Shrobe /Howard E	05/01/00	06/30/08	0	1,571,561	(0)
		6891114	C	P067952	MULTI-SPONSOR	Katz /Boris	05/01/00	06/30/14	0	484,999	(0)
		6891115	C	P067952	MULTI-SPONSOR	Davis /Randall	05/01/00	06/30/08	0	1,287,000	(0)
		6891116	C	P067952	MULTI-SPONSOR	Lozano-Perez /Tomas	05/01/00	03/31/04	0	50,000	0
		6891117	C	P067952	MULTI-SPONSOR	Jaakkola /Tommi S	05/01/00	06/30/03	0	50,000	0
		6891118	C	P067952	MULTI-SPONSOR	Brooks /Rodney Allen	05/01/00	06/30/03	0	150,000	0
		6891562	C	P067952	OXYGEN PARTNERSHIP-I	Durlach /Nathaniel I	05/01/00	06/30/03	0	50,000	(0)
		6891754	C	P069880	CONSORTIUM EXPENSE	Kimerling /Lionel C	01/01/01	12/31/20	4,345	3,015,588	2,498,230
		6892681	C	P067914	MULTI SPONSOR	Finn /Carmen	07/01/01	06/30/20	0	1,648,937	10,862
		6892682	C	P068600	MULTI SPONSOR	Agarwal /Anant	07/01/01	04/30/03	0	199,024	0
		6892683	C	P067952	MULTI SPONSOR	Balakrishnan /Hari	07/01/01	06/30/06	0	440,004	0
		6892684	C	P067952	MULTI SPONSOR	Demaine /Erik D	07/01/01	06/30/06	0	50,000	0
		6892685	C	P067952	MULTI SPONSOR	Edelman /Alan	07/01/01	03/31/04	0	50,000	(0)
		6892686	C	P067952	MULTI SPONSOR	Ernst /Michael D	07/01/01	06/30/06	0	50,000	(0)
		6892687	C	P067952	MULTI SPONSOR	McMillan /Leonard	07/01/01	06/30/08	0	199,657	(0)
		6892688	C	P067952	MULTI SPONSOR	Rudolph /Larry	07/01/01	06/30/08	0	868,402	0
		6892689	C	P067952	MULTI SPONSOR	Poggio /Tomaso A	07/01/01	03/10/11	0	416,087	(0)
		6892696	C	P067952	MULTI SPONSOR	Guttag /John V	07/01/01	06/30/17	0	537,941	(0)
		6892697	C	P067952	MULTI SPONSOR	Garland /Stephen J	07/01/01	06/30/06	0	49,968	(0)
		6892771	C	P069880	CONSORTIUM EXPENSE	Ram /Rajeev J	01/01/01	08/31/04	0	266,106	0
		6892784	C	P069880	CONSORTIUM EXPENSE	Kimerling /Lionel C	01/01/01	12/31/03	0	0	0
		6892930	C	P067952	MULTI-SPONSORED CON	Agarwal /Anant	07/01/01	06/30/06	0	2,494,244	0
		6892931	C	P067952	MULTI-SPONSORED CON	Brooks /Rodney Allen	07/01/01	09/30/03	0	445,241	0
		6893174	C	P267600	CONSORTIUM EXPENSE	Joannopoulos /John	02/01/02	12/31/02	0	75,686	(0)
		6893487	C	P067952	MASTER AGREEMENT	Agarwal /Anant	06/03/02	06/30/06	0	366,203	0
		6893732	C	P067952	MASTER AGREEMENT	Popovic /Jovan	07/01/02	06/30/06	0	130,000	0
		6893733	C	P067952	MASTER AGREEMENT	Clark /David D	07/01/02	07/31/14	0	200,000	(0)
		6893734	C	P067952	MASTER AGREEMENT	Kaashoek /M. Frans	07/01/02	06/30/20	0	200,000	85,569

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		6894107	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	09/01/02	06/30/23	852,520	2,567,936	212,276
		6894200	C	P039020	AGMT. DTD. 7/1/02	Chuang /Isaac	09/01/02	12/31/07	0	0	(192,963)
		6894201	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	09/01/02	06/30/07	0	0	(10)
		6894422	C	P067952	O2P: TAIWAN WORKSHO	Rudolph /Larry	07/01/02	06/28/06	0	99,978	0
		6895109	C	P067952	AGMT. DTD. 6/18/03	Rudolph /Larry	07/01/03	06/28/06	0	199,973	0
		6895182	C	P067952	-	Madden /Samuel R	07/01/03	12/31/05	0	60,000	0
		6895183	C	P067952	MULTI-SPONSOR	Long /William J	07/01/03	06/30/06	0	129,988	(0)
		6895184	C	P067952	MULTI-SPONSOR	Long /William J	07/01/03	06/30/06	0	100,000	(0)
		6895185	C	P067952	MULTI-SPONSOR	Leonard /John J	07/01/03	06/30/08	0	188,070	(0)
		6895186	C	P067952	MULTI-SPONSOR	Barzilay /Regina	07/01/03	06/30/20	0	70,000	62,967
		6895187	C	P067952	MULTI-SPONSOR	Durand /Frederic	07/01/03	06/30/07	0	248,964	(0)
		6895188	C	P067952	MULTI-SPONSOR	Rus /Daniela L	07/01/03	06/30/06	0	25,000	0
		6895263	C	P067952	MULTI SPONSOR	Liskov /Barbara H	07/01/03	06/30/06	0	50,000	0
		6895281	C	P067952	MULTI SPONSOR	Katabi /Dina	07/01/03	06/30/08	0	160,000	0
		6895422	C	P067952	MULTI-SPONSOR	Devadas /Srinivas	09/01/03	06/30/06	0	7,355	0
		6896074	C	P069880	CONSORTIUM EXPENSE	Ross /Caroline A	02/01/04	01/31/05	0	53,042	0
		6896075	C	P069880	CONSORTIUM EXPENSE	Tuller /Harry L	02/01/04	01/31/05	0	54,838	(0)
		6896148	C	P067952	OXYGEN ALLIANCE/EXPE	Karger /David R	07/01/03	06/30/06	0	338,996	(0)
		6896647	C	P067952	MULTI-SPONSORED CON	Steele /Kenneth M	07/01/04	12/31/04	0	4,414	0
		6896728	C	P067952	OXYGEN ALLIANCE/EXPE	Balakrishnan /Hari	07/01/04	06/30/07	0	280,000	(0)
		6897385	C	P067952	OXYGEN ALLIANCE/EXPE	Brooks /Rodney Allen	01/01/05	06/30/20	0	182,788	0
		6897433	C	P067952	OXYGEN ALLIANCE/EXPE	Sudan /Madhu	01/01/05	06/30/10	0	199,945	(0)
		6897611	C	P067952	OXYGEN ALLIANCE/EXPE	Brooks /Rodney Allen	01/01/05	06/30/10	0	7,244	0
		6897652	C	P067971	MASTER AGREEMENT	Berners-Lee /Timothy J	04/01/05	12/31/18	0	49,672	(125,734)
		6897750	C	P065005	MASTER AGREEMENT	Wong /Victor W	05/01/05	11/30/20	441,885	6,325,164	101,143
		6897842	C	P061093	MASTER AGREEMENT	Belobaba /Peter P	06/01/05	06/30/21	187,196	4,130,000	208,322
		6897893	C	P067952	OXYGEN ALLIANCE/EXPE	Miller /Eric J	06/01/05	06/30/13	0	60,892	(0)
		6899228	C	P039020	CBA CONSORTIUM EXPE	Gershenfeld /Neil A	01/01/06	02/28/22	0	0	(409,770)
		6899291	C	P121110	MASTER CONSORTIUM	Wang /Richard Yng-Yuh	02/16/06	12/31/21	25,529	1,108,517	220,694
		6899523	C	P067952	MULTI-SPONSOR	Leonard /John J	03/01/06	06/30/06	0	6,913	0
		6899638	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	07/01/06	06/30/17	0	0	0
		6899665	C	P430000	PENDING AGREEMENT	Hirsch /Paula	04/15/06	04/14/08	0	137,515	0
		6914563	C	P267100	AGMT. DTD. 7/1/02	Sarpeshkar /Rahul	03/14/06	09/30/07	0	0	(67,936)
		6914700	C	P061093	MASTER AGREEMENT	Wardle /Brian L	01/01/07	09/01/23	122,115	2,990,512	75,834
		6914780	C	P069501	ISCM RESEARCH	Sheffi /Yosef	01/15/07	01/15/08	0	5,751	(0)
		6914783	C	P067952	OXYGEN ALLIANCE/EXPE	Leonard /John J	07/01/06	06/30/09	0	59,968	(0)
		6914816	C	P320000	MASTER AGREEMENT	Wong /Victor W	05/01/05	12/31/08	0	76,669	0
		6914938	C	P069501	ISCM RESEARCH	Sheffi /Yosef	02/01/07	12/31/12	0	25,000	0
		6915050	C	P069501	ISCM RESEARCH	Malone /Thomas W	03/01/07	02/29/08	0	10,408	0
		6915825	C	P035000	MASTER AGREEMENT	Ratti /Carlo	07/01/07	12/31/22	288,772	4,104,291	44,698
		6916774	C	P061020	NANO-ENGINEERING CO	Wardle /Brian L	10/22/07	02/29/08	0	9,728	0
		6916788	C	P122030	MEMBERSHIP AGREEMEN	Malone /Thomas W	07/01/07	08/31/19	372	2,051,892	(0)
		6917194	C	P069500	MASTER AGREEMENT	Caplice /Christopher	02/01/08	06/30/25	0	50,000	0
		6917271	C	P320000	MITEI MEMBERSHIP SEEL	Armstrong /Robert C	01/15/08	06/30/22	0	529	519
		6917273	C	P320000	MITEI MEMBERSHIP SEEL	Buonassisi /Anthony	01/15/08	07/31/10	0	35,000	0

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		6917274	C	P320000	MITEI MEMBERSHIP SEEC	Chisholm /Sallie W	01/15/08	01/31/11	0	150,000	(0)
		6917275	C	P320000	MITEI MEMBERSHIP SEEC	Leeb /Steven B	01/15/08	01/14/10	0	70,000	0
		6917276	C	P320000	MITEI MEMBERSHIP SEEC	Duflo /Esther	01/15/08	06/30/10	0	150,000	0
		6917277	C	P320000	MITEI MEMBERSHIP SEEC	Minervini /Joseph V	01/15/08	01/14/09	0	100,000	(0)
		6917278	C	P320000	MITEI MEMBERSHIP SEEC	Prather /Kristala L	01/15/08	04/30/09	0	150,000	(0)
		6917279	C	P320000	MITEI MEMBERSHIP SEEC	Schindall /Joel E	01/15/08	01/14/10	0	55,000	(0)
		6917280	C	P320000	MITEI MEMBERSHIP SEEC	Thompson /Janelle Renee	01/15/08	01/14/09	0	50,000	(0)
		6917307	C	P061020	MASTER AGREEMENT	Wardle /Brian L	03/01/08	06/30/08	0	4,373	0
		6917352	C	P061020	MASTER AGREEMENT	Wardle /Brian L	03/01/08	08/31/08	0	5,389	0
		6917843	C	P320000	MITEI MEMBERSHIP SEEC	Ceder /Gerbrand	01/15/08	07/31/10	0	39,990	0
		6918677	C	P320000	MITEI MEMBERSHIP SEEC	Abelson /Harold	09/01/08	10/31/10	0	89,999	0
		6918678	C	P320000	MITEI MEMBERSHIP SEEC	Buehler /Markus J	09/01/08	08/31/10	0	100,000	(0)
		6918679	C	P320000	MITEI MEMBERSHIP SEEC	Ceder /Gerbrand	09/01/08	02/28/13	0	149,880	0
		6918680	C	P320000	MITEI MEMBERSHIP SEEC	Chandrakasan /Anantha P	09/01/08	08/31/09	0	60,000	0
		6918681	C	P320000	MITEI MEMBERSHIP SEEC	Edelman /Alan	09/01/08	08/31/09	0	49,936	0
		6918682	C	P320000	MITEI MEMBERSHIP SEEC	Fernandez /John	09/01/08	08/31/10	0	85,516	0
		6918683	C	P320000	MITEI MEMBERSHIP SEEC	Fitzgerald /Eugene A	09/01/08	11/30/09	0	54,399	0
		6918684	C	P320000	MITEI MEMBERSHIP SEEC	Hemond /Harold F	09/01/08	08/31/10	0	37,447	(0)
		6918685	C	P320000	MITEI MEMBERSHIP SEEC	Kassakian /John G	09/01/08	08/31/09	0	89,994	0
		6918686	C	P320000	MITEI MEMBERSHIP SEEC	Layzer /Judith	09/01/08	12/31/10	0	100,000	(0)
		6918687	C	P320000	MITEI MEMBERSHIP SEEC	Livermore-Clifford /Carol	09/01/08	05/31/10	0	149,973	(0)
		6918688	C	P320000	MITEI MEMBERSHIP SEEC	Olken /Benjamin	09/01/08	08/31/09	0	9,858	(0)
		6918689	C	P320000	MITEI MEMBERSHIP SEEC	Ram /Rajeev J	09/01/08	09/15/10	0	120,000	(0)
		6918690	C	P320000	MITEI MEMBERSHIP SEEC	Sadoway /Donald Robert	09/01/08	12/31/10	0	55,007	0
		6918691	C	P320000	MITEI MEMBERSHIP SEEC	Slocum /Alexander H	09/01/08	05/31/12	0	50,000	(0)
		6918692	C	P320000	MITEI MEMBERSHIP SEEC	Stephanopoulos /Gregory	09/01/08	10/31/10	0	100,000	(0)
		6918693	C	P320000	MITEI MEMBERSHIP SEEC	Woskov /Paul P	09/01/08	08/31/09	0	119,979	0
		6918799	C	P067952	OXYGEN ALLIANCE/EXPE	Zeldovich /Nickolai	07/01/08	06/30/16	0	57,403	0
		6919043	C	P320000	MITEI MEMBERSHIP SEEC	Hemond /Harold F	12/17/08	08/31/10	0	37,553	0
		6919524	C	P320000	MITEI MEMBERSHIP SEEC	Alexander-Katz /Alfredo	04/01/09	03/31/11	0	147,999	(0)
		6919525	C	P320000	MITEI MEMBERSHIP SEEC	Andersen /Marilyne	09/01/09	08/31/11	0	99,424	0
		6919526	C	P320000	MITEI MEMBERSHIP SEEC	Baldo /Marc A	04/01/09	12/31/10	0	89,997	0
		6919527	C	P320000	MITEI MEMBERSHIP SEEC	Buongiorno /Jacopo	04/01/09	03/31/11	0	59,944	0
		6919528	C	P320000	MITEI MEMBERSHIP SEEC	Ceyer /Sylvia Teresse	04/01/09	08/31/10	0	99,973	0
		6919529	C	P320000	MITEI MEMBERSHIP SEEC	Green /William H	06/01/09	05/31/11	0	51,999	(0)
		6919530	C	P320000	MITEI MEMBERSHIP SEEC	Kim /Sangbae	06/01/09	05/31/10	0	120,000	0
		6919532	C	P320000	MITEI MEMBERSHIP SEEC	Ratti /Carlo	04/01/09	03/31/11	0	99,745	0
		6919533	C	P320000	MITEI MEMBERSHIP SEEC	Ross /Caroline A	04/01/09	08/31/10	0	120,001	0
		6919534	C	P320000	MITEI MEMBERSHIP SEEC	Cao /Jianshu	04/01/09	03/31/12	0	69,951	0
		6919535	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	04/01/09	06/30/11	0	120,000	0
		6920821	C	P320000	MITEI MEMBERSHIP SEEC	Bazant /Martin Z	10/01/09	09/30/11	0	100,000	(0)
		6920822	C	P320000	MITEI MEMBERSHIP SEEC	Berggren /Karl K	10/01/09	02/28/13	0	150,000	(0)
		6920823	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	10/01/09	09/30/11	0	100,000	0
		6920824	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	10/01/09	07/12/11	0	150,000	(0)
		6920825	C	P320000	MITEI MEMBERSHIP SEEC	Kaiser /Chris	10/01/09	09/30/11	0	149,998	0

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		6920826	C	P320000	MITEI MEMBERSHIP SEEC	Soljagic /Marin	10/01/09	09/30/11	0	49,674	0
		6920827	C	P320000	MITEI MEMBERSHIP SEEC	Thomas /Edwin L	10/01/09	09/30/11	0	99,957	0
		6920828	C	P320000	MITEI MEMBERSHIP SEEC	Tuller /Harry L	10/01/09	09/30/11	0	149,980	0
		6920829	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	10/01/09	09/30/11	0	150,000	(0)
		6920847	C	P320000	MITEI MEMBERSHIP SEEC	Polz /Martin F	10/01/09	09/30/11	0	125,000	(0)
		6920848	C	P320000	MITEI MEMBERSHIP SEEC	Thompson /Carl Vernet	10/01/09	12/31/10	0	64,041	0
		6921149	C	P320000	MITEI MEMBERSHIP SEEC	Thompson /Carl Vernet	03/01/10	07/31/10	0	10,115	0
		6921212	C	P320000	MITEI MEMBERSHIP SEEC	Fink /Yoel	10/01/09	09/30/11	0	50,002	(0)
		6921277	C	P069850	MASTER AGREEMENT	Kirchain /Randolph E	12/17/09	12/31/20	0	491,221	29,719
		6921868	C	P065005	MASTER AGREEMENT	Wong /Victor W	04/30/10	06/30/18	0	129,567	0
		6921957	C	P320000	MITEI MEMBERSHIP SEEC	Bazant /Martin Z	05/17/10	05/16/12	0	150,000	(0)
		6921958	C	P320000	MITEI MEMBERSHIP SEEC	Demaine /Erik D	05/17/10	05/16/12	0	149,923	0
		6921959	C	P320000	MITEI MEMBERSHIP SEEC	Hadjiconstantinou /Nicolas	09/01/10	09/30/12	0	149,372	(0)
		6921960	C	P320000	MITEI MEMBERSHIP SEEC	Jensen /Klavs F	05/17/10	08/31/13	0	149,920	(0)
		6921961	C	P320000	MITEI MEMBERSHIP SEEC	Joannopoulos /John	05/17/10	05/16/12	0	143,917	0
		6921962	C	P320000	MITEI MEMBERSHIP SEEC	Kimerling /Lionel C	08/01/10	09/30/11	0	100,000	0
		6921963	C	P320000	MITEI MEMBERSHIP SEEC	Malcolm /Alison E	05/17/10	05/31/11	0	147,912	(0)
		6921964	C	P320000	MITEI MEMBERSHIP SEEC	Olsen /Bradley D.	05/17/10	05/16/12	0	150,000	0
		6921965	C	P320000	MITEI MEMBERSHIP SEEC	Rudin /Cynthia	08/01/10	07/31/13	0	150,000	0
		6921966	C	P320000	MITEI MEMBERSHIP SEEC	Stephanopoulos /Gregory	09/01/10	05/31/13	0	99,939	0
		6921967	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	06/01/10	12/31/12	0	149,788	0
		6921968	C	P320000	MITEI MEMBERSHIP SEEC	Wang /Evelyn	05/17/10	05/16/12	0	99,990	(0)
		6921969	C	P320000	MITEI MEMBERSHIP SEEC	Woskov /Paul P	06/01/10	05/31/11	0	119,951	0
		6922100	C	P122172	LEADERSHIP CONSORTIUM	Repenning /Nelson	05/07/10	05/31/21	0	0	0
		6922101	C	P122172	LEADERSHIP CONSORTIUM	Ancona /Deborah G	05/07/10	11/17/14	0	0	0
		6922102	C	P122172	LEADERSHIP CONSORTIUM	Ancona /Deborah G	05/07/10	05/31/15	0	0	0
		6923622	C	P320000	MITEI MEMBERSHIP SEEC	Buongiorno /Jacopo	04/01/11	01/31/14	0	150,000	0
		6923623	C	P320000	MITEI MEMBERSHIP SEEC	Dahleh /Munther A	04/01/11	03/31/13	0	150,000	0
		6923624	C	P320000	MITEI MEMBERSHIP SEEC	Dinca /Mircea	04/01/11	03/31/13	0	99,992	(0)
		6923625	C	P320000	MITEI MEMBERSHIP SEEC	Duflo /Esther	04/01/11	09/30/12	0	133,483	0
		6923626	C	P320000	MITEI MEMBERSHIP SEEC	Einstein /Herbert H	04/01/11	09/30/13	0	150,000	0
		6923627	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	04/01/11	02/28/12	0	50,000	(0)
		6923628	C	P320000	MITEI MEMBERSHIP SEEC	Hadjiconstantinou /Nicolas	04/01/11	10/31/13	0	85,024	(0)
		6923629	C	P320000	MITEI MEMBERSHIP SEEC	Kong /Jing	04/01/11	03/31/13	0	75,000	0
		6923630	C	P320000	MITEI MEMBERSHIP SEEC	Perakis /Georgia	04/01/11	03/15/14	0	90,000	0
		6923631	C	P320000	MITEI MEMBERSHIP SEEC	Sarma /Sanjay E	04/01/11	03/31/13	0	99,830	0
		6923632	C	P320000	MITEI MEMBERSHIP SEEC	Trumper /David L	04/01/11	03/31/13	0	99,989	0
		6923633	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	04/01/11	03/31/13	0	150,000	0
		6923634	C	P320000	MITEI MEMBERSHIP SEEC	Wescoat /James	04/01/11	08/31/13	0	150,000	0
		6923635	C	P320000	MITEI MEMBERSHIP SEEC	Zhang /Shuguang	04/01/11	03/31/13	0	150,000	(0)
		6924144	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	06/01/11	06/30/17	(0)	829,905	0
		6924405	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	06/01/11	12/31/13	0	71,134	0
		6925580	C	P320000	MITEI MEMBERSHIP SEEC	Armstrong /Robert C	04/01/12	06/01/15	0	3,378	3,378
		6925581	C	P320000	MITEI MEMBERSHIP SEEC	Blankschtein /Edmundo D	07/01/12	01/15/15	0	150,000	(0)
		6925582	C	P320000	MITEI MEMBERSHIP SEEC	Buie /Cullen	04/01/12	03/31/14	0	69,415	(0)

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		6925583	C	P320000	MITEI MEMBERSHIP SEEC	Chisholm /Sallie W	04/01/12	03/31/14	0	150,000	(0)
		6925584	C	P320000	MITEI MEMBERSHIP SEEC	Dinca /Mircea	07/01/12	12/31/13	0	99,990	0
		6925585	C	P320000	MITEI MEMBERSHIP SEEC	Fitzgerald /Eugene A	04/01/12	04/30/14	0	150,000	(0)
		6925586	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	04/01/12	07/31/13	0	99,977	0
		6925587	C	P320000	MITEI MEMBERSHIP SEEC	Kong /Jing	04/01/12	05/31/14	0	150,000	(0)
		6925588	C	P320000	MITEI MEMBERSHIP SEEC	O'Sullivan /Francis Martin	04/01/12	01/31/17	0	71,622	(0)
		6925589	C	P320000	MITEI MEMBERSHIP SEEC	Perreault /David J	04/01/12	03/31/14	0	74,700	0
		6925590	C	P320000	MITEI MEMBERSHIP SEEC	Reinhart /Christoph	04/01/12	03/31/14	0	149,899	(0)
		6925591	C	P320000	MITEI MEMBERSHIP SEEC	Tuller /Harry L	04/01/12	03/31/14	0	74,981	0
		6925592	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	04/01/12	03/31/14	0	150,000	0
		6925593	C	P320000	MITEI MEMBERSHIP SEEC	Williams /John R	04/01/12	11/26/14	0	150,000	0
		6926705	C	P320000	MITEI MEMBERSHIP SEEC	Buie /Cullen	04/01/12	12/01/12	0	5,585	0
		6927725	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	0	146,347,055	146,039,308
		6927880	C	P320000	MITEI MEMBERSHIP SEEC	Williams /John R	06/01/13	05/31/15	0	150,000	0
		6927881	C	P320000	MITEI MEMBERSHIP SEEC	Brushett /Fikile R	04/01/13	03/31/15	0	74,833	(0)
		6927882	C	P320000	MITEI MEMBERSHIP SEEC	Juanes /Ruben	06/01/13	05/31/16	0	99,993	0
		6927883	C	P320000	MITEI MEMBERSHIP SEEC	Kolpak /Alexie M	05/01/13	10/31/14	0	75,000	0
		6927884	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	04/01/13	09/30/14	0	75,037	(0)
		6927885	C	P320000	MITEI MEMBERSHIP SEEC	Leeb /Steven B	09/01/13	07/31/16	0	74,922	(0)
		6927887	C	P320000	MITEI MEMBERSHIP SEEC	Allanore /Antoine	04/01/13	04/30/15	0	75,000	(0)
		6927888	C	P320000	MITEI MEMBERSHIP SEEC	Demaine /Erik D	04/01/13	03/31/15	0	75,000	0
		6927889	C	P320000	MITEI MEMBERSHIP SEEC	Demanet /Laurent	10/01/13	08/31/16	0	143,000	0
		6927890	C	P320000	MITEI MEMBERSHIP SEEC	Gradecak /Silvija	04/01/13	07/31/14	0	74,999	0
		6927891	C	P320000	MITEI MEMBERSHIP SEEC	Roman /Yuriy	04/15/13	10/31/14	0	34,999	0
		6927892	C	P320000	MITEI MEMBERSHIP SEEC	Selin /Noelle E	04/01/13	03/31/15	0	73,764	(0)
		6927893	C	P320000	MITEI MEMBERSHIP SEEC	Wang /Evelyn	04/01/13	03/31/15	0	75,000	(0)
		6928020	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	0	0	25
		6928021	C	P039010	MEDIA LAB CONSORTIA	Lippman /Andrew B	07/01/13	12/31/19	7,871	994,796	0
		6928043	C	P069501	MASTER AGREEMENT	Coughlin /Joseph F	06/01/13	10/16/21	1,611,138	7,192,187	1,698,492
		6928054	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	0	0	0
		6928055	C	P039010	MEDIA LAB CONSORTIA	Orta /Monica M.	07/01/13	06/30/23	5,026,236	0	(26,462,651)
		6928056	C	P039010	MEDIA LAB CONSORTIA	Degnan /Nicole	07/01/13	06/30/23	150,243	0	(3,791,895)
		6928057	C	P039010	MEDIA LAB CONSORTIA	El-Kouedi /Mahnaz	07/01/13	06/30/23	0	0	(1,382,416)
		6928058	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	70,398	0	(1,536,841)
		6928059	C	P039010	MEDIA LAB CONSORTIA	Bletsas /Michail	07/01/13	06/30/23	115,440	0	(1,337,989)
		6928060	C	P039010	MEDIA LAB CONSORTIA	Holtzman /Henry N	07/01/13	06/30/14	0	0	(10,995)
		6928111	C	P320000	MITEI MEMBERSHIP SEEC	Roman /Yuriy	06/13/13	10/31/14	0	39,999	0
		6929240	C	P069500	MASTER AGREEMENT	Coughlin /Joseph F	12/01/13	06/30/14	0	7,813	0
		6929338	C	P065005	MASTER AGREEMENT	Wierzbicki /Tomasz	01/01/14	12/31/20	45,844	2,793,374	(517,623)
		6929567	C	P065005	MASTER AGREEMENT- E	Wierzbicki /Tomasz	01/01/14	12/31/20	430,343	948,982	(684,825)
		6929609	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	258,203	0	(1,768,364)
		6929753	C	P065004	MASTER AGREEMENT	Hadjiconstantinou /Nicolas	06/01/14	08/31/20	108,086	710,315	23,983
		6929840	C	P320000	MITEI MEMBERSHIP SEEC	Barton /Paul I	04/01/14	08/31/15	0	100,000	0
		6929841	C	P320000	MITEI MEMBERSHIP SEEC	Bazant /Martin Z	04/01/14	03/31/16	0	100,000	0
		6929842	C	P320000	MITEI MEMBERSHIP SEEC	Sapsis /Themistoklis Panagioti	04/01/14	03/31/17	0	100,000	(0)

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		6929843	C	P320000	MITEI MEMBERSHIP SEEC	Trancik /Jessica	06/01/14	05/31/15	0	99,976	(0)
		6929844	C	P320000	MITEI MEMBERSHIP SEEC	Bromberg /Leslie	05/01/14	10/31/16	0	100,000	0
		6929845	C	P320000	MITEI MEMBERSHIP SEEC	Buonassisi /Anthony	04/01/14	03/31/16	0	72,243	0
		6929846	C	P320000	MITEI MEMBERSHIP SEEC	Hart /Anastasios John	04/01/14	06/30/17	0	99,740	(0)
		6929847	C	P320000	MITEI MEMBERSHIP SEEC	Kulik /Heather Janine	04/01/14	02/28/15	0	100,000	(0)
		6929848	C	P320000	MITEI MEMBERSHIP SEEC	Holten-Andersen /Niels	04/01/14	08/31/16	0	49,621	0
		6929849	C	P320000	MITEI MEMBERSHIP SEEC	Warshaw /Christopher S	04/01/14	12/31/16	0	78,657	0
		6929850	C	P320000	MITEI MEMBERSHIP SEEC	Tisdale /William	04/01/14	03/31/16	0	99,976	0
		6929859	C	P039010	MEDIA LAB CONSORTIA	Resnick /Mitchel J	01/01/14	12/31/16	0	300,000	(0)
		6930095	C	P320000	MITEI MEMBERSHIP SEEC	Johnson /Jeremiah A.	04/01/14	03/31/16	0	50,000	(0)
		6930276	C	P320000	MITEI MEMBERSHIP SEEC	Buonassisi /Anthony	07/01/14	03/31/15	0	27,757	0
		6931049	C	P039010	MEDIA LAB CONSORTIA	Bove /V Michael	07/01/13	12/31/19	0	333,825	(0)
		6931072	C	P069501	MASTER AGREEMENT	Coughlin /Joseph F	11/04/14	01/31/19	(1,097)	385,000	1,046
		6931077	C	P039010	MEDIA LAB CONSORTIA	Slavin /Kevin	07/01/13	08/31/15	0	71,379	(0)
		6931148	C	P121110	MASTER AGREEMENT	Madnick /Stuart E	11/06/14	02/24/23	4,018	945,000	841,577
		6931193	C	P039010	MEDIA LAB CONSORTIA	Hidalgo Ramaciotti /Cesar A.	01/01/15	05/31/20	37,486	525,000	11,393
		6931512	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	01/15/15	07/31/19	49,727	535,944	0
		6931513	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	01/15/15	07/31/18	0	83,744	0
		6931753	C	P320000	MITEI MEMBERSHIP SEEC	Checkelsky /Joseph	07/01/15	06/30/17	0	20,409	0
		6931754	C	P320000	MITEI MEMBERSHIP SEEC	Ben-Akiva /Moshe E	04/01/15	04/30/18	0	74,081	(0)
		6931755	C	P320000	MITEI MEMBERSHIP SEEC	Fehler /Michael C	04/01/15	10/31/16	0	74,999	0
		6931756	C	P320000	MITEI MEMBERSHIP SEEC	Doyle /Patrick S	06/01/15	12/31/16	0	75,000	0
		6931757	C	P320000	MITEI MEMBERSHIP SEEC	Wang /Evelyn	04/01/15	03/31/17	0	37,496	(0)
		6931758	C	P320000	MITEI MEMBERSHIP SEEC	Hart /Anastasios John	04/01/15	09/30/16	0	75,000	(0)
		6931759	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	06/01/15	11/30/16	0	75,000	0
		6931760	C	P320000	MITEI MEMBERSHIP SEEC	Kocar /Benjamin David	09/01/15	08/31/17	0	73,024	(0)
		6931761	C	P320000	MITEI MEMBERSHIP SEEC	Surendranath /Yogesh	01/01/16	12/31/17	0	75,000	(0)
		6931762	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	04/01/15	06/30/17	0	75,000	0
		6931763	C	P320000	MITEI MEMBERSHIP SEEC	Hart /Anastasios John	04/01/15	10/31/16	0	37,500	(0)
		6931801	C	P061093	CONSORTIUM DATED 05/	Leveson /Nancy G	05/01/15	02/28/20	72,655	485,000	53,119
		6932001	C	P039010	MEDIA LAB CONSORTIA	Herr /Hugh M	05/01/15	11/30/17	0	382,906	0
		6932018	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	06/02/15	09/30/15	0	16,012	0
		6932044	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	04/01/15	10/31/16	0	37,491	0
		6932052	C	P320000	MITEI MEMBERSHIP SEEC	Gleason /Karen K	04/01/15	03/31/17	0	37,377	0
		6932598	C	P320000	MITEI MEMBERSHIP SEEC	Checkelsky /Joseph	08/31/15	03/31/16	0	35,826	0
		6932681	C	P069501	AVT CONSORTIUM EXPE	Coughlin /Joseph F	09/01/15	02/28/22	798,403	6,009,930	2,609,556
		6933109	C	P069501	TBD	Coughlin /Joseph F	10/01/15	03/31/18	0	700,000	3,059
		6933433	C	P069200		Voigt /Christopher A.	01/01/16	05/22/24	13,674	290,000	240,080
		6933857	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	02/01/16	01/31/20	28,927	465,162	(0)
		6933879	C	P320000	MITEI MEMBERSHIP SEEC	Fehler /Michael C	10/01/16	03/31/19	0	149,382	(0)
		6933880	C	P320000	MITEI MEMBERSHIP SEEC	Sadoway /Donald Robert	04/01/16	03/31/18	0	61,922	0
		6933881	C	P320000	MITEI MEMBERSHIP SEEC	Surendranath /Yogesh	05/01/16	10/31/17	0	49,878	(0)
		6933882	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	05/01/16	08/31/18	0	39,846	0
		6933883	C	P320000	MITEI MEMBERSHIP SEEC	Winter /Amos G	04/01/16	08/31/19	(29)	100,000	(0)
		6933884	C	P320000	MITEI MEMBERSHIP SEEC	Yildiz /Bilge	06/01/16	10/31/18	0	99,987	(0)

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		6933885	C	P320000	MITEI MEMBERSHIP SEEC	Williams /John R	06/01/16	05/31/18	0	150,000	0
		6933886	C	P320000	MITEI MEMBERSHIP SEEC	Roman /Yuriy	04/01/16	06/30/19	(2,033)	83,626	(0)
		6933887	C	P320000	MITEI MEMBERSHIP SEEC	Gonzalez /Marta C.	04/01/16	03/31/18	0	62,201	0
		6933888	C	P320000	MITEI MEMBERSHIP SEEC	Madnick /Stuart E	04/01/16	03/31/18	0	128,708	(0)
		6933986	C	P039010	MEDIA LAB CONSORTIA	Narula /Neha	01/01/16	11/30/20	154,866	2,212,500	(217,587)
		6934058	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	01/15/15	07/31/18	0	38,000	0
		6934145	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	01/15/15	07/31/19	0	9,364	0
		6934248	C	P065004	MASTER AGREEMENT	Hadjiconstantinou /Nicolas	06/05/16	11/15/16	0	6,116	0
		6934423	C	P320000	MITEI MEMBERSHIP SEEC	Roman /Yuriy	06/23/16	09/30/18	0	66,374	0
		6934475	C	P069400	MASTER AGREEMENT	Pentland /Alex Paul	07/11/16	12/31/20	1,935,218	5,349,725	416,643
		6934665	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	04/01/16	03/31/21	77,597	400,000	57,245
		6934871	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	08/01/16	07/31/17	0	135,000	0
		6935070	C	P065005	MASTER AGREEMENT- E	Wierzbicki /Tomasz	09/01/16	12/31/20	295,021	423,000	(204,263)
		6935078	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	09/01/16	06/30/17	0	0	0
		6935151	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	11/01/16	04/30/17	0	155,000	(0)
		6935318	C	P320000	MITEI MEMBERSHIP SEEC	Checkelsky /Joseph	11/01/16	06/30/17	0	18,734	0
		6935717	C	P320000	MITEI MEMBERSHIP SEEC	Sadoway /Donald Robert	06/20/16	03/31/18	0	5,528	0
		6935788	C	P039010	MEDIA LAB CONSORTIA	Adib /Fadel	09/01/16	06/30/22	13,933	334,560	108,917
		6936299	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	04/01/17	03/31/21	145,081	437,000	54,099
		6936397	C	P320000	MITEI MEMBERSHIP SEEC	Fang /Xuanlai	04/01/17	08/31/19	6	103,625	0
		6936398	C	P320000	MITEI MEMBERSHIP SEEC	Sarma /Sanjay E	05/01/17	10/31/18	0	109,912	0
		6936399	C	P320000	MITEI MEMBERSHIP SEEC	Van Voorhis /Troy	05/01/17	04/30/20	(1,201)	35,000	0
		6936400	C	P320000	MITEI MEMBERSHIP SEEC	Surendranath /Yogesh	05/01/17	04/30/19	0	35,000	0
		6936401	C	P320000	MITEI MEMBERSHIP SEEC	Dinca /Mircea	06/01/17	05/31/19	(436)	110,000	(0)
		6936402	C	P320000	MITEI MEMBERSHIP SEEC	Bazant /Martin Z	04/01/17	09/30/18	0	110,000	0
		6936403	C	P320000	MITEI MEMBERSHIP SEEC	Karplus /Valerie Jean	06/01/17	11/30/19	(71)	110,000	(0)
		6936404	C	P320000	MITEI MEMBERSHIP SEEC	Kulik /Heather Janine	06/01/17	05/31/20	71,758	109,721	0
		6936405	C	P320000	MITEI MEMBERSHIP SEEC	Turitsyn /Konstantin	04/01/17	03/31/21	28,629	54,552	(1,842)
		6936406	C	P320000	MITEI MEMBERSHIP SEEC	Botterud /Audun	04/01/17	09/30/19	436	54,987	0
		6936407	C	P320000	MITEI MEMBERSHIP SEEC	Smith /Zachary P	04/01/17	08/31/19	(9,014)	110,000	0
		6936416	C	P320000	MITEI MEMBERSHIP SEEC	Daniel /Luca	04/01/17	03/31/21	8,181	54,552	(565)
		6936417	C	P320000	MITEI MEMBERSHIP SEEC	Brushett /Fikile R	04/01/17	09/30/19	16,859	55,000	0
		6936489	C	P039010	MEDIA LAB CONSORTIA	Paradiso /Joseph A	09/01/17	12/31/18	0	180,000	(0)
		6936660	C	P122010	MASTER AGREEMENT	Owens /Leslie Ann	07/01/17	07/14/23	6,594,833	22,324,734	5,637,336
		6936753	C	P122010	MASTER AGREEMENT	Owens /Leslie Ann	07/01/17	09/14/20	278,019	980,000	83,528
		6936880	C	P039010	MEDIA LAB CONSORTIA	Shah /Pratik	06/01/17	05/31/19	0	100,000	(0)
		6937225	C	P039010	MEDIA LAB CONSORTIA	Breazeal /Cynthia Lynn	09/01/17	08/31/18	0	150,000	0
		6937229	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	08/01/17	01/31/19	0	34,826	0
		6937392	C	P039010	MEDIA LAB CONSORTIA	Paradiso /Joseph A	08/01/17	07/31/20	143,776	0	(186,055)
		6937476	C	P031000	MASTER AGREEMENT	Tibbits /Skylar	10/01/17	08/31/25	74,311	145,000	33,815
		6937516	C	P039010	MEDIA LAB CONSORTIA	Pentland /Alex Paul	10/01/17	03/31/18	0	50,000	0
		6937518	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	10/01/17	02/15/18	0	10,080	0
		6937754	C	P035000	MIT-CHINA FUTURE CITY	Zheng /Siqi	10/01/17	02/28/22	207,532	1,675,000	834,355
		6937940	C	P402000	MASTER AGREEMENT	Love /John C	01/01/18	04/30/21	1,361,819	1,750,000	(364,944)
		6938029	C	P062000	MIT MLPDS CONSORTIUM	Jensen /Klavs F	01/02/18	03/27/21	167,714	3,200,000	2,879,871

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		6938397	C	P039010	MEDIA LAB CONSORTIA	Breazeal /Cynthia Lynn	01/01/18	03/31/20	78,770	122,000	1,839
		6938435	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	04/01/18	12/31/20	214,820	450,000	17,056
		6938477	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	03/01/18	02/28/21	53,844	260,000	134,175
		6938495	C	P320000	MITEI MEMBERSHIP SEEC	Gomez-Bombarelli /Rafael	06/01/18	12/31/20	61,080	100,000	10,645
		6938496	C	P320000	MITEI MEMBERSHIP SEEC	Gallant /Betar Maurkah	04/01/18	09/30/19	1,234	100,000	33
		6938497	C	P320000	MITEI MEMBERSHIP SEEC	Perez-Arriaga /Jose Ignacio	07/01/18	12/31/19	14,481	100,000	(0)
		6938498	C	P320000	MITEI MEMBERSHIP SEEC	Li /Jing	09/01/18	08/31/20	34,291	100,000	35,241
		6938499	C	P320000	MITEI MEMBERSHIP SEEC	Ghoniem /Ahmed F	06/01/18	11/30/20	61,425	100,000	0
		6938501	C	P320000	MITEI MEMBERSHIP SEEC	Swager /Timothy M	06/01/18	05/31/19	0	99,998	(0)
		6938502	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	04/01/18	03/31/20	0	100,000	0
		6938503	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	04/01/18	02/29/20	24,861	100,000	8,971
		6938505	C	P320000	MITEI MEMBERSHIP SEEC	Manthiram /Karthish	04/01/18	03/31/20	26,100	100,000	409
		6938680	C	P039010	MEDIA LAB CONSORTIA	Wood /Danielle Renee	05/01/18	06/30/20	40,304	295,235	248,056
		6938735	C	P039010	MEDIA LAB CONSORTIA	Hidalgo Ramaciotti /Cesar A.	06/01/18	05/31/20	0	100,000	(0)
		6938862	C	P062000	MIT MLPDS CONSORTIUM	Jensen /Klavs F	01/02/18	12/02/20	514,071	525,000	(193,610)
		6938941	C	P062000	MIT MLPDS CONSORTIUM	Green /William H	01/02/18	12/02/20	95,205	325,000	147,224
		6939077	C	P067952	MIT MLPDS CONSORTIUM	Barzilay /Regina	01/02/18	12/02/20	170,167	325,000	87,609
		6939347	C	P069501	AGREEMENT DTD 8/1/18	Coughlin /Joseph F	08/01/18	04/14/21	479,299	900,000	313,567
		6939439	C	P417500		Kirchain /Randolph E	06/01/18	03/04/21	187,833	442,000	31,117
		6939757	C	P067952	MIT MLPDS CONSORTIUM	Jaakkola /Tommi S	01/02/18	12/02/20	263,017	325,000	5,816
		6940109	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	11/01/18	10/31/19	50,549	56,514	0
		6940110	C	P039010	MEDIA LAB CONSORTIA	Park /Hae Won	12/21/18	02/29/20	16,360	287,800	269,838
		6940290	C	P039010	MEDIA LAB CONSORTIA	Narula /Neha	02/01/19	04/30/21	481,450	750,000	268,550
		6940430	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	10/01/18	05/31/20	2,023	113,250	107,228
		6940495	C	P266300		Triantafyllou /Michael S	03/01/19	02/28/21	31,252	150,000	118,748
		6940790	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	05/01/19	04/30/20	179,587	200,000	20,413
		6941054	C	P065012		Torralba /Antonio	04/30/19	04/29/24	0	7,177,454	7,177,454
		6941071	C	P320000	MITEI MEMBERSHIP SEEC	Strano /Michael S.	05/01/19	04/30/21	19,223	100,000	80,777
		6941072	C	P320000	MITEI MEMBERSHIP SEEC	Gomez-Bombarelli /Rafael	06/01/19	08/31/20	75,635	100,000	24,365
		6941073	C	P320000	MITEI MEMBERSHIP SEEC	Sinskey /Anthony J	05/01/19	04/30/21	95,530	100,000	4,470
		6941074	C	P320000	MITEI MEMBERSHIP SEEC	Kala /Namrata	05/01/19	10/31/20	0	20,000	20,000
		6941075	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	05/01/19	10/31/20	103,154	100,000	(3,154)
		6941076	C	P320000	MITEI MEMBERSHIP SEEC	Shao-Horn /Yang	09/01/19	08/31/21	23,363	100,000	76,637
		6941077	C	P320000	MITEI MEMBERSHIP SEEC	Baldo /Marc A	05/01/19	09/30/20	100,172	100,000	(172)
		6941129	C	P320000	MITEI MEMBERSHIP SEEC	Knittel /Christopher Roland	05/01/19	10/31/20	0	20,000	20,000
		6941683	C	P065002		Sarma /Sanjay E	09/01/19	08/31/22	120,959	0	(120,959)
		6942389	C	P039010	MEDIA LAB CONSORTIA	Machover /Tod	11/01/19	12/31/20	0	150,000	150,000
		6942492	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	12/01/19	11/30/24	76,521	1,000,000	923,479
		6942518	C	P035000	MIT-CHINA FUTURE CITY	Zheng /Siqi	07/01/19	06/30/20	61,494	0	(61,494)
		6942519	C	P035000	MIT-CHINA FUTURE CITY	Zheng /Siqi	07/01/19	06/30/20	55,641	0	(55,641)
		6942520	C	P035000	MIT-CHINA FUTURE CITY	Zheng /Siqi	07/01/19	06/30/20	11,215	0	(11,215)
		6942532	C	P065004	MASTER AGREEMENT	Hadjiconstantinou /Nicolas	01/01/20	08/31/20	15,876	15,568	(307)
		6942711	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	11/01/19	04/30/21	0	37,500	37,500
		6942859	C	P069501	TBD	Coughlin /Joseph F	03/01/20	02/28/21	52,223	150,000	97,777
		6943098	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	32	25,000	24,968

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		6943183	C	P121012		Mazumder /Rahul	04/30/19	07/12/22	12,198	314,000	301,802
		6943193	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	07/01/19	06/30/23	38,068	0	(38,068)
		6943236	C	P121012		Golrezaei /Negin	06/01/20	11/30/21	5,088	300,184	295,097
		6943237	C	P068700		Veeramachaneni /Kalyan	05/11/20	05/10/23	0	297,000	297,000
		6943293	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	09/01/19	06/30/23	8,497	40,000	31,503
		6943294	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	09/01/19	06/30/23	9,911	50,000	40,089
		6943367	C	P320000	MITEI MEMBERSHIP SEEC	Gallant /Betar Maurkah	06/01/20	05/31/21	0	100,000	100,000
		6943369	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	06/01/20	05/31/21	15,778	100,000	84,222
		6943370	C	P320000	MITEI MEMBERSHIP SEEC	Sadoway /Donald Robert	06/15/20	12/14/21	0	100,000	100,000
		6943371	C	P320000	MITEI MEMBERSHIP SEEC	Rupp /Jennifer Lilia Marguerit	06/01/20	05/31/22	0	100,000	100,000
		6943372	C	P320000	MITEI MEMBERSHIP SEEC	Botterud /Audun	06/01/20	05/31/22	0	75,000	75,000
		6943373	C	P320000	MITEI MEMBERSHIP SEEC	Reinhart /Christoph	06/01/20	05/31/22	0	25,000	25,000
		7082900	C	P266300	MASTER CONSORTIUM	Vandiver /John Kim	07/01/88	06/30/22	172,197	3,793,235	242,840
		7185300	C	P063007	IESL AFFILIATES PROGRAM	Williams /John R	03/01/89	06/30/13	(212,243)	1,442,768	(0)
		7277900	C	P065005	MASTER AGREEMENT	Tian /Tian	07/01/89	02/28/21	714,929	18,445,181	859,888
		7631500	C	P122030	PRIOR AGREEMENT	Malone /Thomas W	10/01/91	10/14/20	26,519	3,715,639	51,407
		7773900	C	P121110	MASTER AGREEMENT	Madnick /Stuart E	09/01/92	12/31/20	563	457,886	0
		7774000	C	P121110	PRIOR MEMBERSHIP	Madnick /Stuart E	09/01/92	06/30/21	0	223,768	0
		9491100	C	P069850	MASTER AGREEMENT	Kirchain /Randolph E	04/01/84	12/31/20	148,619	2,904,630	(39,556)
	006154 The Hong Kong University of Science & Technology	6931835	C	P065005	ITS/248/14FP	Shao-Horn /Yang	03/16/15	06/15/17	0	256,373	(0)
	6931920	C	P069850	ITS/248/14FP	Thompson /Carl Vernette	03/16/15	06/15/17	0	275,671	(0)	
Total by Primary Sponsor									28,134,353	390,859,729	171,667,313
005030 American Association For The Advance.Sci	005030 American Assoc	6939488	C	P062000	AGREEMENT EFFECTIVE	Kulik /Heather Janine	12/13/18	12/31/21	26,126	50,000	22,374
		Total by Primary Sponsor							26,126	50,000	22,374
005035 American Association For Lab Animal Scie	005035 American Association For Lab Animal Scie	6938940	C	P402100	GLAS LETTER DTD 6/7/18	Patterson /Mary M	06/15/18	12/15/19	(21)	4,915	0
		6943290	C	P402100	GLAS LETTER DATED 05/	Haupt /Jennifer	05/15/20	05/14/22	0	5,770	5,770
	Total by Primary Sponsor								(21)	10,685	5,770
005044 American Association For Cancer Research	005044 American Association For Cancer Research	6934470	C	P402000	SU2C-AACR-IRG-09-16	Vander Heiden /Matthew G.	07/01/16	06/30/19	468	750,117	0
		6936695	C	P402000	17-20-47-BIRN	Birnbaum /Michael E	07/01/17	06/30/20	10,740	200,000	295
		6936715	C	P402000	SU2C-AACR-PS18	Vander Heiden /Matthew G.	07/01/17	12/31/20	55,478	125,000	(137)
		6936951	C	P402000	SU2C-AACR-PS18	Vander Heiden /Matthew G.	07/01/17	06/30/20	42,006	125,000	790
	Total by Primary Sponsor								108,692	1,200,117	948
005050 American Cancer Society, Incorporated	005050 American Cancer Society, Incorporated	6929863	C	P151070	125792-RSG-14-039-01-CS	Martin /Adam C	07/01/14	06/30/19	5,212	791,997	0
		6938888	C	P152000	RSG-18-122-01-CSM	Shoulders /Matthew D.	07/01/18	06/30/21	210,664	774,731	322,835
		6938912	C	P152000	RSG-18-122-01-CSM	Shoulders /Matthew D.	07/01/18	08/31/19	17,269	17,269	0
	Total by Primary Sponsor								233,144	1,583,997	322,835
005055 American Chemical Society	005055 American Chemical Society	6934315	C	P062000	PRF # 56719-DN19	Swan /James W	09/01/16	08/31/19	7,319	110,000	1,623
		6936736	C	P152000	PRF # 57690-ND3	Cummins /Christopher C	09/01/17	08/31/19	8,594	110,000	

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		6938864	C	P062000	PRF# 59256-DNI7	Smith /Zachary P	09/01/18	08/31/20	78,120	108,000	(724)
		6941171	C	P152000	PRF # 60503-ND6	Van Voorhis /Troy	09/01/19	08/31/20	56,272	55,000	(1,272)
		6941176	C	P152000	PRF # 60568-DNI3	Suess /Daniel Leif Migdow	09/01/19	08/31/20	45,329	55,000	9,671
		6941178	C	P152000	PRF # 60204-DNI1	Wendlandt /Alison	09/01/19	08/31/20	55,185	55,000	(185)
		6941218	C	P062000	PRF # 60574-DNI5	Manthiram /Karthish	09/01/19	08/31/20	37,534	55,000	17,466
	Total by Primary Sponsor								288,353	548,000	26,579
005065 American Heart Association	005065 American Heart	6930357	C	P267600	14CSA20500002	Lu /Timothy K	07/01/14	06/30/18	(132)	302,122	0
		6935514	C	P267600	FUND #229460	Lu /Timothy K	07/01/16	06/30/17	0	88,000	74,437
		6937624	C	P267600	FUND #229460	Lu /Timothy K	07/01/17	06/30/18	0	68,000	59,836
		6939382	C	P267600	FUND #229460	Lu /Timothy K	07/01/18	06/30/19	6,665	68,000	(1,163)
		6941784	C	P267600	FUND #229460	Lu /Timothy K	07/01/19	06/30/20	62,483	68,000	5,517
	Total by Primary Sponsor								69,016	594,122	138,627
005077 Philips Healthcare	005077 Philips Healthcare	6936683	C	P061904	EXH B-10: PO 4520209166	Szolovits /Peter	02/01/17	12/31/19	48,278	500,000	10
		6942165	C	P061901	PO# 8600097704/AGREEM	Mark /Roger G	12/01/19	11/30/21	87,517	363,387	275,870
	Total by Primary Sponsor								135,795	863,387	275,879
005145 Asahi Glass Company Limited	005145 Asahi Glass Co	6942872	C	P066000		Gomez-Bombarelli /Rafael	04/01/20	12/31/20	19,630	110,000	90,370
	Total by Primary Sponsor								19,630	110,000	90,370
005150 Anonymous Foundation	005150 Anonymous Foundation	6923439	C	P091020	GRANT NO: 3551	Olken /Benjamin	01/01/11	12/31/18	(1,644)	211,016	0
		6927963	C	P091020	GRANT NO: 3551	Olken /Benjamin	01/01/11	12/31/18	0	1,231,906	0
		6932793	C	P091020	5521	Olken /Benjamin	10/01/15	12/31/21	185,101	587,644	9,127
		6937368	C	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	0	350,000	(433,911)
		6937592	C	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	13,347	150,000	(535,786)
		6937593	C	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	9,204	100,000	(42,988)
		6937594	C	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	(13,015)	200,000	192,146
		6938095	C	P091020	13060	Duflo /Esther	12/01/17	06/30/19	(559)	37,500	0
	Total by Primary Sponsor								192,434	2,868,065	(811,412)
005157 ASML	005157 ASML	6919311	C	P267110	PO 231016082	Trumper /David L	01/30/09	12/31/20	124,544	1,629,261	(19,707)
		6922117	C	P069700	PO 6481452	Trumper /David L	03/01/10	12/31/14	0	25,160	0
		6931523	C	P267200	PO 6786212/ PO 6568346	Trumper /David L	02/01/15	12/31/18	0	51,586	0
		6938151	C	P267110	PO 231016082	Trumper /David L	02/01/18	12/31/20	1,718	36,500	18,569
	Total by Primary Sponsor								126,262	1,742,507	(1,138)
005164 Ferrari S.p.A.	005164 Ferrari S.p.A.	6893520	C	P065005	OA#99025367-CF#19655-C	Tian /Tian	06/01/02	12/31/19	0	688,064	16,364
		6937135	C	P065005	PO# 053045780	Winter /Amos G	04/01/17	12/31/18	(42)	301,123	0
	Total by Primary Sponsor								(42)	989,187	16,364
005165 Applied	007360 Smithsonian Ins	6940403	C	P159600	SV9-89008	Richardson /John D	10/01/18	09/30/21	7,858	63,980	55,046

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Physics Lab of Johns Hopkins	007617 University of Mi	6936077	C	P401710	A005821704/PRIME 13718	Foster /John C	07/15/16	07/20/20	87,824	372,621	5,161
	007634 University of Ne	6934481	C	P401710	17-005	Foster /John C	07/15/16	10/31/19	29,875	299,419	(0)
	Total by Primary Sponsor								125,558	736,020	60,207
005198 Veeco Instruments, Incorporated	005198 Veeco Instruments, Incorporated	6939520	C	P065005	SRA DTD. 10/9/2018	Slocum /Alexander H	09/01/18	08/31/20	253,607	446,700	144,401
		6941089	C	P065005	SRA DTD. 10/9/2018	Slocum /Alexander H	01/01/19	12/31/19	15,701	58,300	42,599
	Total by Primary Sponsor								269,308	505,000	186,999
005209 Arnold And Mabel Beckman Foundation	005209 Arnold And Mabel Beckman Foundation	6932156	C	P061901	AGMT DTD 6/17/2015	Shalek /Alexander K	09/01/15	08/31/19	3,011	751,590	2,169
		6934355	C	P152000	LTR. AGREEMENT DTD. 0	Schlau-Cohen /Gabriela S	06/01/16	08/31/20	72,109	750,000	216,800
		6935723	C	P151002	LETTER DATED FEB 1, 20	Schwartz /Thomas	07/01/17	06/30/24	0	2,500,000	0
		6936187	C	P267600	AGMT DTD 4/6/17	Fujimoto /James G	09/01/17	08/31/20	115,843	400,000	129,282
		6938532	C	P159300	AGMT DATED 4/10/18	Bear /Mark	09/01/18	08/31/21	21,103	300,000	140,932
	Total by Primary Sponsor								212,066	4,701,590	489,183
005214 Shell International Exploration & Production, Inc.	005214 Shell International Exploration & Production, Inc.	6921907	C	P320000	SHELL MITEI FOUNDING I	Armstrong /Robert C	04/01/10	03/31/20	0	187,075	187,075
		6922053	C	P320000	SHELL CONTRACT NO. G	Germaine /John T	04/15/10	10/31/13	0	95,529	(0)
		6922139	C	P320000	SHELL CONTRACT NO. G	Armstrong /Robert C	04/01/10	04/30/20	0	605,628	605,628
		6924294	C	P320000	SHELL CONTRACT NO. G	Ceyer /Sylvia Teresse	06/01/11	05/31/13	0	199,980	0
		6924295	C	P320000	SHELL CONTRACT NO. G	Ghoniem /Ahmed F	09/01/11	08/31/13	0	200,000	(0)
		6924968	C	P320000	SHELL CONTRACT NO. G	Varanasi /Kripa	07/01/11	12/31/17	(453)	1,639,934	0
		6924969	C	P320000	SHELL CONTRACT NO. G	Ulm /Franz-Josef	09/01/11	08/31/16	0	2,500,000	0
		6925132	C	P320000	PO #4550161075	Indyk /Piotr	12/01/11	11/30/19	0	1,851,509	265,084
		6925133	C	P320000	CONTRACT# GFSTE1000	Freeman /William T	12/01/11	05/31/18	0	3,364,587	0
		6925154	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	12/01/11	05/31/18	0	2,000,000	0
		6925199	C	P320000	SHELL MITEI FOUNDING I	Poggio /Tomaso A	12/01/11	11/30/19	25,269	1,157,460	(0)
		6925200	C	P320000	SHELL MITEI FOUNDING I	Jaakkola /Tommi S	12/01/11	11/30/17	0	369,168	0
		6925201	C	P320000	SHELL MITEI FOUNDING I	Freeman /William T	12/01/11	04/30/15	0	193,409	0
		6925313	C	P320000	SHELL MITEI FOUNDING I	Adelson /Edward H	12/01/11	11/30/17	0	875,000	0
		6925314	C	P320000	SHELL MITEI FOUNDING I	Durand /Frederic	12/01/11	11/30/17	0	871,970	(0)
		6925315	C	P320000	SHELL MITEI FOUNDING I	Fisher /John W	12/01/11	11/30/17	0	870,720	0
		6925538	C	P320000	SHELL - MITEI CONTRAC	Reilly /John M	09/01/11	08/31/17	0	625,000	0
		6925837	C	P320000	SHELL MITEI FOUNDING I	Indyk /Piotr	06/01/12	08/15/12	0	16,856	(0)
		6925884	C	P320000	SHELL MITEI FOUNDING I	Liu /Yuming	02/15/12	03/31/14	0	312,210	0
		6925910	C	P320000	SHELL CONTRACT NO. G	Wierzbicki /Tomasz	01/01/12	12/31/13	0	200,000	(0)
		6926393	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	09/01/12	05/31/13	0	60,000	0
		6926394	C	P320000	SHELL CONTRACT NO. G	Varanasi /Kripa	09/01/12	05/31/13	0	60,000	0
		6926519	C	P320000	MITEI FDG MBR; PO 4550	Chandrakasan /Anantha P	07/01/12	08/31/16	0	650,000	(0)
		6926530	C	P320000	SHELL CONTRACT NO. G	Grossman /Jeffrey C.	09/01/12	01/15/14	0	59,653	0
		6926543	C	P320000	SHELL CONTRACT NO. G	Strano /Michael S.	10/01/12	09/30/14	0	200,000	(0)
		6926708	C	P320000	MITEI FDG MBR; PO 4550	Belcher /Angela M	04/01/12	09/30/17	0	1,399,844	(0)
		6926937	C	P320000	MITEI FDG MBR; PO 4550	Gleason /Karen K	07/01/12	08/31/16	0	250,000	(0)
		6927412	C	P320000	SHELL-MITEI FDG MEMBE	Ghoniem /Ahmed F	09/01/12	01/31/15	0	66	0
		6927413	C	P320000	SHELL-MITEI FDG MEMBE	Hemond /Harold F	09/01/12	01/31/15	0	177,497	0

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		6927490	C	P320000	SHELL MITEI FDG MEMBE	Hager /Bradford H	01/01/13	12/31/16	0	749,999	0
		6927575	C	P320000	PO 4550121657	Grossman /Jeffrey C.	03/01/13	02/28/17	0	680,000	0
		6927737	C	P320000	SHELL MITEI FOUNDING I	Poggio /Tomaso A	05/27/13	08/31/13	0	30,282	0
		6928381	C	P320000	SHELL-MITEI FDG MEMBE	Hemond /Harold F	02/07/13	01/31/15	0	22,437	0
		6928509	C	P320000	MITEI FDG MEMBER/PO 4	Yue /Dick K. P.	08/01/13	01/31/15	0	148,892	0
		6929074	C	P320000	SHELL CONTRACT NO. G	Gradecak /Silvija	10/01/13	06/30/15	0	200,000	(0)
		6929104	C	P320000	SHELL MITEI FOUNDING I	Indyk /Piotr	01/01/14	11/30/17	0	240,000	(0)
		6929108	C	P320000	PT44795 PO 4550103329	Fisher /John W	02/01/14	03/31/18	0	399,621	0
		6929109	C	P320000	PT44796 PO 4550103789	Freeman /William T	02/01/14	01/31/18	0	212,207	0
		6929417	C	P320000	PT439-49/PO4550096753	Liu /Yuming	02/01/14	01/31/15	0	111,503	(0)
		6929480	C	P320000	MITEI FDG MBR; PO 4550	Belcher /Angela M	09/01/13	09/30/14	0	60,000	(0)
		6929737	C	P320000	PT44885 PO 4550101027 F	Edelman /Alan	03/15/14	03/14/17	0	315,000	0
		6930039	C	P320000	SHELL - MITEI CONTRAC	Reilly /John M	05/01/14	08/31/17	0	240,000	(0)
		6930040	C	P320000	PT44796 PO TBD	Durand /Frederic	02/01/14	01/31/17	0	244,960	0
		6930174	C	P320000	PT46708 PO 4550100618,	Katz /Boris	06/01/14	08/31/15	0	98,432	(0)
		6930320	C	P320000	MITEI FDG MEMBER/PO 4	Yue /Dick K. P.	07/15/14	01/31/15	0	11,314	0
		6930470	C	P320000	SHELL CONTRACT PT482	Ono /Shuhei	09/01/14	05/31/16	0	29,974	0
		6930496	C	P320000	PT44885 PO 4550101027	Germaine /John T	03/15/14	03/14/16	0	157,000	(0)
		6931029	C	P320000	SHELL CONTRACT NO. G	Grossman /Jeffrey C.	09/01/14	08/31/15	0	100,000	(0)
		6931030	C	P320000	SHELL CONTRACT NO. G	Swan /James W	02/01/15	08/31/17	0	197,367	(0)
		6931142	C	P320000	SHELL CONTRACT NO. G	Hart /Anastasios John	09/01/14	03/31/16	0	100,000	0
		6931143	C	P320000	SHELL CONTRACT PT482	Ono /Shuhei	09/01/14	05/31/16	0	119,801	0
		6931260	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	09/01/14	08/31/17	0	62,500	(0)
		6931355	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	09/01/14	08/31/15	0	60,000	0
		6931356	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	09/01/14	08/31/15	0	60,000	0
		6931559	C	P320000	SHELL PO 4550055813, SI	Broderick /Tamara A	12/01/11	02/28/18	0	71,072	(0)
		6931560	C	P320000	SHELL PO 4550055813, SI	Jegelka /Stefanie Sabrina	12/01/11	11/30/17	0	62,869	(0)
		6932674	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	09/01/15	08/31/16	0	60,000	0
		6933668	C	P320000	PT61645 - PO 4550149970	Pellenq /Roland Jm	03/01/16	02/28/18	0	350,000	0
		6934132	C	P320000	SHELL CONTRACT NO. G	Strano /Michael S.	06/01/16	05/31/18	0	197,024	0
		6934137	C	P320000	PT62722 PO4550134160	Wierzbicki /Tomasz	05/01/16	01/31/17	0	100,000	(0)
		6934141	C	P320000	SHELL CONTRACT NO. G	Roman /Yuriy	06/01/16	11/15/18	0	200,000	0
		6934196	C	P320000	SHELL CONTRACT NO. G	Brushett /Fikile R	06/01/16	05/31/18	0	200,000	(0)
		6934373	C	P320000	PT62881--PO-4550138611	Buyukozturk /Oral	06/01/16	09/30/17	0	49,993	(0)
		6934374	C	P320000	PT61645 - PO 4550131491	Buyukozturk /Oral	06/01/16	05/31/18	0	60,000	(0)
		6934386	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	12/01/15	05/31/18	0	59,998	0
		6935054	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	07/01/16	08/31/17	0	59,979	0
		6935055	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	07/01/16	08/31/17	0	60,000	0
		6935057	C	P320000	PO 4550170287	Ono /Shuhei	11/01/16	07/31/21	11,327	60,000	13,297
		6935058	C	P320000	TBD	Ono /Shuhei	11/01/16	07/31/18	0	82,999	(0)
		6935429	C	P320000	PT69492 - PO 4550141294	Goulthorpe /Mark	11/01/16	03/31/19	0	216,369	(0)
		6935613	C	P320000	PT69492 - PO 4550141294	Goulthorpe /Mark	11/01/16	07/31/18	0	0	(0)
		6937058	C	P320000	SHELL PO 4550153474	Buyukozturk /Oral	06/01/17	11/30/20	0	119	119
		6937059	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	06/01/17	11/30/20	347,558	975,386	8,869
		6937060	C	P320000	SHELL MITEI FOUNDING I	Freeman /William T	06/01/17	11/30/20	(69,898)	230,195	4,015

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		6937061	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	06/01/17	11/30/20	0	4,104	(0)		
		6937513	C	P320000	PO 4550176065	Summons /Roger E	08/01/17	12/31/20	153,258	709,944	264,593		
		6937646	C	P320000	PO #4550155123	Belcher /Angela M	10/01/17	09/30/20	157,890	900,000	59,895		
		6937653	C	P320000	PO# 4550157812	Willard /Adam P.	11/01/17	10/31/20	127,560	336,018	37,877		
		6937670	C	P320000	PT78773, PO# 4550155940	Varanasi /Kripa	09/01/17	08/31/20	117,844	150,000	55,102		
		6937702	C	P320105	PO 4550149738	Shao-Horn /Yang	11/01/17	10/31/20	0	0	0		
		6937916	C	P320000	SHELL MITEI FOUNDING I	Durand /Frederic	06/01/17	11/30/20	48,722	230,195	6,354		
		6937969	C	P320105	PO 4550149738	Grossman /Jeffrey C.	11/01/17	10/31/20	155,079	375,000	66,640		
		6937970	C	P320105	PO 4550149738	Shao-Horn /Yang	11/01/17	10/31/20	64,693	375,000	126,654		
		6938302	C	P320105	PO 4550159168	Checkelsky /Joseph	01/22/18	01/21/21	0	0	0		
		6938377	C	P320105	PO 4550159168	Checkelsky /Joseph	01/22/18	01/21/21	102,035	515,040	111,159		
		6938378	C	P320105	PO 4550159168	Fu /Liang	01/22/18	01/21/21	103,505	371,672	69,051		
		6938379	C	P320105	PO 4550159168	Gedik /Nuh	01/22/18	01/21/21	73,180	384,534	182,386		
		6938466	C	P320000	PO #4550155123	Belcher /Angela M	10/01/17	09/30/20	0	0	0		
		6939005	C	P320000	CONTRACT #CW115385 / I	Bazant /Martin Z	05/01/18	04/30/21	110,769	164,927	(26,200)		
		6939037	C	P320105	PO 4550159168	Checkelsky /Joseph	07/01/18	12/28/20	16,309	72,821	0		
		6939326	C	P320105	PO 4550159168	Gedik /Nuh	08/01/18	03/01/19	0	15,354	0		
		6939955	C	P320000	SHELL MITEI FOUNDING I	Olivetti /Elsa A	09/01/18	12/31/19	55,331	85,519	(5,416)		
		6940233	C	P320000	SHELL CONTRACT NO. G	Nepf /Heidi	01/11/19	08/31/20	134,304	200,000	27,327		
		6940237	C	P320000	CONTRACT #CW115385 / I	Shao-Horn /Yang	05/01/18	04/30/21	143,929	291,985	57,695		
		6940282	C	P320000	PO 4550171405	Varanasi /Kripa	09/01/18	08/31/21	122,250	400,000	251,255		
		6940292	C	P320000	PO#4550169865	Kim /Yoon Jeon	10/01/18	03/31/20	71,366	100,000	2,228		
		6941860	C	P320000	SHELL MITEI FOUNDING I	Rupp /Jennifer Lilia Marguerit	11/01/19	10/31/22	282,482	260,900	(21,582)		
		6941931	C	P320000	CONTRACT # CW290254 /	Halton /Trevor Alan	09/01/19	08/31/22	221,783	287,541	65,758		
		6942112	C	P320000	RPP# CW320932 / PO# 45	Nepf /Heidi	12/01/19	11/30/20	9,987	133,096	123,108		
		6942292	C	P320000	CONTRACT# CW288687 /	Reinhart /Christoph	07/15/19	07/14/20	29,680	96,627	66,947		
		6942338	C	P320000	CONTRACT# CW331422 /	Olivetti /Elsa A	01/01/20	12/31/22	40,644	0	(40,644)		
		6942780	C	P320105	PO 4550159168	Gedik /Nuh	03/01/20	01/21/21	5,592	5,579	(14)		
		6942994	C	P320000	CONTRACT# CW353869	Paltsev /Sergey	03/01/20	02/28/21	37,256	0	(37,256)		
		Total by Primary Sponsor									2,699,250	35,206,244	2,527,005
		005250 Battelle Memorial Institute	005250 Battelle Memorial Institute	6923291	C	P065005	SUBCONTRACT 449896	Schmidt /Henrik	01/15/11	08/23/18	0	1,578,927	163,315
				6928166	C	P067952	SUBCONTRACT 251192	Leonard /John J	07/01/13	01/14/16	0	124,930	(0)
				6935612	C	P065004	PO 427523 MOD 03	Hosoi /Anette E	07/01/16	08/31/17	0	2	2
6935617	C			P065004	PO 427523 MOD 02	Hosoi /Anette E	07/01/16	08/31/17	0	101,882	0		
6935618	C			P065004	PO 427523 MOD 02	Hosoi /Anette E	07/01/16	08/31/17	0	101,882	(0)		
6935627	C			P067900	SUBAWARD 251152/PO44	Leonard /John J	01/15/11	08/23/18	(2,638)	96,144	0		
6938816	C			P065005	PO# 715913	Schmidt /Henrik	06/01/18	07/31/20	108,412	278,480	26,957		
Total by Primary Sponsor									105,774	2,282,246	190,273		
005260 Beth Israel Deaconess Medical Center	005260 Beth Israel Deaconess Medical Center	6937358	C	P121012	AGMT. DTD. 09/01/17	Bertsimas /Dimitris J	09/01/17	08/31/20	145,618	500,000	26,778		
		6940428	C	P061902	01024449	Greenberg /Julie E	09/01/18	05/31/19	(331)	57,290	0		
		6942016	C	P061902	01024449	Greenberg /Julie E	06/01/19	05/31/20	70,488	70,643	155		

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	Total by Primary Sponsor								215,776	627,933	26,933
005299 Mitsubishi Electric Research Laboratory (MERL)	005299 Mitsubishi Elect	6939685	C	P067952		Torralba /Antonio	10/22/18	10/21/20	96,376	340,000	243,624
	Total by Primary Sponsor								96,376	340,000	243,624
005321 Brigham & Women's Hospital	005321 Brigham & Women's Hospital	6939319	C	P061901	BPS296	Edelman /Elazer R	09/01/17	08/31/18	(165)	61,473	0
		6940125	C	P061901	BPS296	Edelman /Elazer R	09/01/18	08/31/19	(26,528)	50,668	(584)
	Total by Primary Sponsor								(26,693)	112,141	(584)
005331 Connecticut Analytical Corporation	005331 Connecticut An	6942784	C	P061090	TBD	Lozano /Paulo C	01/25/20	02/25/20	9,966	10,000	34
	Total by Primary Sponsor								9,966	10,000	34
005335 Burroughs Wellcome Fund	005335 Burroughs Well	6934532	C	P039000	1016432	Esvelt /Kevin Michael	07/15/16	08/31/21	56,937	300,000	(60,895)
	Total by Primary Sponsor								56,937	300,000	(60,895)
005365 Novartis Pharmaceuticals Corp.	005365 Novartis Pharm	6939361	C	P402000	AGMT DTD 05/29/18	Chen /Jianzhu	05/29/18	05/28/19	(13,023)	60,000	0
	Total by Primary Sponsor								(13,023)	60,000	0
005408 California Institute of Technology	005408 California Instit	6941775	C	P153000	65H-S445820	Weiss /Benjamin P	09/01/19	08/31/21	0	58,293	58,293
	Total by Primary Sponsor								0	58,293	58,293
005410 CalTech - Jet Propulsion Lab	005165 Applied Physics Lab of Johns Hopkins	6932977	C	P153000	130359	Soderblom /Jason	11/19/15	06/26/22	0	27,978	(0)
		6936010	C	P153000	130359	Soderblom /Jason	02/26/17	10/28/18	0	39,713	(0)
		6939800	C	P153000	130359	Soderblom /Jason	10/28/18	06/26/22	40,371	82,617	27,937
	Total by Primary Sponsor								40,371	150,308	27,937
005420 Carnegie Corporation	005420 Carnegie Corporation	6928648	C	P097500	B8429.R01	Tirman /John	10/01/13	09/30/21	(8,500)	197,891	41,016
		6939019	C	P097500	G-18-55813	Posen /Barry R	07/01/18	06/30/20	88,853	670,000	(6,312)
		6941615	C	P097500	G-19-56926	Fravel /Maris Taylor	08/01/19	07/31/20	54,056	160,000	105,944
		6942036	C	P097500	B8429.R01	Tirman /John	10/01/13	09/30/21	9,488	8,250	(1,238)
		6942534	C	P091020	G-18-56308	Dadisman /Kimberly	11/01/19	10/31/21	63,327	350,559	287,232
	Total by Primary Sponsor								207,224	1,386,700	426,643
005448 Charles A Dana Foundation	005448 Charles A. Dan	6937979	C	P400600	LETTER DATED 9-7-2017	Harnett /Mark Thomas	09/07/17	09/07/20	76,356	200,000	35,858
	Total by Primary Sponsor								76,356	200,000	35,858
005460 Children's Hospital Boston	005460 Children's Hospital Boston	6940310	C	P402000	PO GENFD0001585132	Hammond /Paula T	01/01/19	06/30/20	75,357	60,000	(18,667)
		6943406	C	P267110	AGT DATED 6/1/20	Heldt /Thomas	06/01/20	05/31/22	0	200,000	200,000
	Total by Primary Sponsor								75,357	260,000	181,333
005566 Crohn's & Colitis Foundation	005566 Crohn's & Colit	6941699	C	P267600	AWARD NUMBER 613348	Lu /Timothy K	01/01/19	06/30/20	77,038	125,000	47,962

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Colitis Foundation of America, Incorporated	Total by Primary Sponsor								77,038	125,000	47,962
005573 Amyotrophic Lateral Sclerosis Association	005573 Amyotrophic La	6937782	C	P267600	18-IIA-403	Lu /Timothy K	10/01/17	03/31/20	9,738	50,000	13,579
	Total by Primary Sponsor								9,738	50,000	13,579
005599 L'Oreal USA Products, Inc	005599 L'Oreal USA Products, Inc.	6936123	C	P062000	AGREEMENT EFFECTIVE	Doyle /Patrick S	05/01/17	09/30/19	7,887	229,432	(0)
		6937287	C	P065005	PO 4030000130	McKinley /Gareth H	09/01/17	04/01/20	49,582	289,000	83
		6937496	C	P062000	RESEARCH AGREEMENT	Olsen /Bradley D.	12/01/17	05/31/19	0	138,430	4,676
	Total by Primary Sponsor								57,469	656,863	4,759
005610 Damon Runyon Cancer Research Foundation	005610 Damon Runyon	6942275	C	P402000	DRR 58-20	Birnbaum /Michael E	01/01/20	12/31/21	8,087	400,000	391,913
	Total by Primary Sponsor								8,087	400,000	391,913
005676 3M Foundation	005676 3M Foundation	6943235	C	P062000	RES AGMT EFF 5/13/2020	Sikes Johnson /Hadley	05/13/20	09/12/20	31,157	131,542	100,385
	Total by Primary Sponsor								31,157	131,542	100,385
005678 Draper Laboratory Incorporated	005678 Draper Laboratory Incorporated	6939542	C	P069850	SC001-0000001229	Hu /Juejun	02/01/18	06/30/20	48,716	181,249	(0)
		6939654	C	P417500	SC001-0000001229	Ross /Caroline A	02/01/18	06/30/20	86,316	238,751	(12,468)
		6940383	C	P066000	AGREEMENT DTD 2/1/19	Hu /Juejun	02/01/19	06/30/19	7,809	13,000	0
		6940623	C	P267200	AGMT DATED 2/1/2019	Ram /Rajeev J	02/01/19	06/30/19	(160)	9,000	(0)
		6942155	C	P066000	SC001-0000001320	Hu /Juejun	11/01/19	06/30/20	34,203	52,235	18,032
	Total by Primary Sponsor								176,884	494,235	5,564
005680 The Camille & Henry Dreyfus Foundation	005680 The Camille & Henry Dreyfus	6937664	C	P062000	EP-17-013	Tisdale /William	01/01/18	08/31/20	33,099	120,000	862
	Foundation	6937951	C	P152000	EP-17-012	Radosevich /Alexander T.	08/01/18	07/31/20	62,372	120,000	(714)
	Total by Primary Sponsor								95,471	240,000	148
005726 Electronics & Telecommunications Research Institute (ETRI)	005726 Electronics & Telecommunications Research Institute	6940613	C	P039000	AGREEMENT DATED 2/20	Park /Hae Won	02/01/19	11/30/19	106,645	111,307	0
		6943178	C	P039000	AGREEMENT DATED 2/26	Park /Hae Won	02/01/20	11/30/20	36,788	50,945	14,157
	Total by Primary Sponsor								143,433	162,252	14,157
005737 EPOCH-IT	005737 EPOCH-IT	6808900	C	P067914	AGREEMENT DATED 1/1/15	Rus /Daniela L	01/01/99	12/31/19	0	266,143	100,186
		6862600	C	P067952	AGREEMENT DATED 1/1/15	Grimson /William E	01/01/99	12/31/05	0	59,976	0
		6862700	C	P067952	AGREEMENT DATED 1/1/15	Brooks /Rodney Allen	01/01/99	12/31/18	0	60,000	399
		6862800	C	P067952	AGREEMENT DATED 1/1/15	Rivest /Ronald L	01/01/99	03/31/04	0	30,000	(0)
		6870100	C	P067952	AGREEMENT DATED 1/1/15	Teller /Seth	01/01/99	12/31/06	0	29,996	0
		6890289	C	P067952	AGREEMENT DATED 1/1/15	Agarwal /Anant	01/01/99	12/31/04	0	30,000	(0)
		6890507	C	P067952	AGREEMENT DATED 1/1/15	Berners-Lee /Timothy J	01/01/00	12/31/07	0	89,986	(0)
		6890798	C	P067952	AGREEMENT DATED 1/1/15	Devadas /Srinivas	06/01/00	12/31/17	0	29,979	0
		6891749	C	P067952	AGREEMENT DATED 1/1/15	Knight /Thomas F	01/01/99	12/31/04	0	30,000	0
		6892297	C	P067952	AGREEMENT DATED 1/1/15	Darrell /Trevor J	01/01/01	12/31/04	0	30,000	(0)
		6892298	C	P067952	AGREEMENT DATED 1/1/15	Kaelbling /Leslie P	01/01/01	06/13/14	0	29,994	(0)

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		6892407	C	P068600	AGREEMENT DATED 1/1/15	McMillan /Leonard	07/01/01	12/30/03	0	30,000	0
		6892488	C	P067952	AGREEMENT DATED 1/1/15	Dorsey /Julie	07/01/01	12/31/04	0	30,000	0
		6893220	C	P067952	AGREEMENT DATED 1/1/15	Asanovic /Krste	01/01/02	12/31/06	0	30,000	0
		6893221	C	P067952	AGREEMENT DATED 1/1/15	Clark /David D	01/01/99	12/31/09	0	60,000	(0)
		6893222	C	P067952	AGREEMENT DATED 1/1/15	Guttag /John V	01/01/99	12/31/17	0	30,000	389
		6893223	C	P067952	AGREEMENT DATED 1/1/15	Kaashoek /M. Frans	01/01/02	12/31/20	28,747	30,000	1,253
		6893224	C	P067952	AGREEMENT DATED 1/1/15	Leiserson /Charles E	01/01/99	12/31/07	0	30,000	0
		6893225	C	P067952	AGREEMENT DATED 1/1/15	Liskov /Barbara H	01/01/02	04/30/07	0	30,000	(0)
		6893226	C	P067952	AGREEMENT DATED 1/1/15	Szolovits /Peter	01/01/99	12/31/20	0	30,000	1,118
		6893227	C	P067952	AGREEMENT DATED 1/1/15	Ward /Stephen A	01/01/99	12/31/17	0	30,000	(80)
		6893228	C	P067952	AGREEMENT DATED 1/1/15	Zue /Victor Waito	01/01/99	12/31/20	12,771	210,000	113,024
		6893229	C	P067952	AGREEMENT DATED 1/1/15	Balakrishnan /Hari	01/01/99	12/31/04	0	5,000	(0)
		6923866	C	P067952	AGREEMENT DATED 1/1/15	Matusik /Wojciech	05/02/11	12/31/14	0	39,387	(0)
		6926033	C	P067952	AGREEMENT DATED 1/1/15	Matusik /Wojciech	12/01/11	12/31/14	0	10,613	0
Total by Primary Sponsor									41,517	1,281,074	216,291
005752 BMW of North America, LLC	005752 BMW of North America, LLC	6934695	C	P065005	PO 4500310845	Shao-Horn /Yang	09/01/16	06/15/20	122,203	1,886,246	(2,130)
		6939988	C	P065004	SRA DTD 12/05/2018	Hart /Anastasios John	09/01/18	12/31/19	50,500	50,000	(2,057)
		6939991	C	P065005	PO 4500581256	Lloyd /Seth	09/01/18	03/26/19	(3)	90,000	0
	Total by Primary Sponsor									172,700	2,026,246
005770 Novartis Institutes for BioMedical Research Incorporated	005770 Novartis Institutes for BioMedical Research Incorporated	6932392	C	P069201	AGREEMENT DATED AUG	Voigt /Christopher A.	08/01/15	08/03/20	855,103	4,271,527	98,406
		6936512	C	P061901	AGMT EFF DATE 9/11/17	Shalek /Alexander K	09/11/17	12/31/19	33,471	142,346	(92)
		6936627	C	P402000	AGREEMENT	Hammond /Paula T	06/28/17	08/31/20	49,481	263,189	33,326
		6936778	C	P267110	PO# 3003066467	Voldman /Joel	12/01/17	12/31/20	259,346	694,422	110,162
		6937848	C	P067952	AGRMNT DT 12/15/17 - P	Katabi /Dina	12/15/17	06/14/19	28,363	432,000	1,628
		6940008	C	P267110	AGMT EFF DATE 9/1/17	Voldman /Joel	12/01/17	12/31/20	10,800	10,800	(0)
	Total by Primary Sponsor									1,236,564	5,814,284
005817 Dana Farber Cancer Institute	005817 Dana Farber Cancer Institute	6938800	C	P402000	DFCI 8100008	Manalis /Scott R	05/01/18	06/30/20	0	97,750	8,101
		6942849	C	P402000	9619802	Chen /Jianzhu	01/01/20	12/31/20	64,367	120,000	55,633
	Total by Primary Sponsor									64,367	217,750
005821 Anonymous Foundation A	005821 Anonymous Foundation A	6934696	C	P151002	AGREEMENT EFF. 08/12/2	Schwartz /Thomas	08/12/16	10/01/18	66,936	5,000,000	0
		6941934	C	P067952	2019A000061/234176	Barzilay /Regina	02/01/19	04/30/20	0	0	0
		6942930	C	P067952	234176	Barzilay /Regina	02/01/19	01/31/20	61,255	292,680	231,425
	Total by Primary Sponsor									128,191	5,292,680
005827 Fujitsu Laboratories	005827 Fujitsu Laboratories	6940838	C	P400600	AGMT DTD 4/1/19	Poggio /Tomaso A	04/01/19	10/31/19	89,998	90,000	2
		6942861	C	P400600		Poggio /Tomaso A	11/01/19	10/31/20	52,194	170,000	117,806
	Total by Primary Sponsor									142,192	260,000
005831 DSO	005831 DSO National	6939552	C	P067952	DSOCO18002	Barzilay /Regina	09/30/18	09/29/20	84,880	247,364	100,807

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National Laboratories	Laboratories	6939740	C	P067952	DSOCO18002	Jaakkola /Tommi S	09/30/18	09/29/20	0	247,364	223,786
	Total by Primary Sponsor								84,880	494,727	324,593
005852 Ford Foundation - All Other	005852 Ford Foundation - All Other	6935086	C	P095500	126918/0160-1141	Tsai /Lily L	01/01/17	12/31/19	77,504	600,000	(0)
		6939276	C	P095500	129443	Tsai /Lily L	08/01/18	12/31/20	154,019	600,000	141,942
		6941948	C	P093800	133476	Uricchio /William C	06/01/19	02/29/20	100,000	100,000	0
		6942326	C	P039000	132978	Zuckerman /Ethan	11/01/19	08/31/20	65,752	150,000	84,248
	006120 Harvard University	6938409	C	P039000	AGREEMENT 257791-5106	Zuckerman /Ethan	08/01/17	07/31/19	8,377	199,995	(0)
	Total by Primary Sponsor								405,652	1,649,995	226,190
005855 The Michael J. Fox Foundation for Parkinson's Disease	005855 The Michael J. Fox Foundation for Parkinson's Disease	6938428	C	P067952	15069	Katabi /Dina	05/04/18	10/30/20	213,139	340,743	22,365
		6938478	C	P039070	ID 12708.01	Boyden /Edward	02/02/18	02/28/20	(104)	25,000	(0)
	007555 University of Texas	6940364	C	P159300	PO #3001300720 / SUBAW	Tsai /Li-Huei	08/09/18	11/08/19	11,788	85,000	0
	Total by Primary Sponsor								224,823	450,743	22,365
005889 ROHM Co., Ltd.	005889 ROHM Co., Ltd.	6939214	C	P065004	AGMT DTD 07/24/2018	Kim /Jeehwan	06/01/18	03/31/21	274,752	1,142,081	707,565
	Total by Primary Sponsor								274,752	1,142,081	707,565
005893 Conrad N. Hilton Foundation	010840 New York Stem Cell Foundation	6937541	C	P066000	MIT17321-2	Van Vliet /Krystyn J	07/01/17	01/31/20	20,552	48,000	5,924
	Total by Primary Sponsor								20,552	48,000	5,924
005947 Schlumberger Technology Corporation	005947 Schlumberger Technology Corporation	6919096	C	P320000	SCHLUMBERGER MITEI S	Armstrong /Robert C	01/01/08	12/31/17	0	5	5
		6920370	C	P320000	SCHLUMBERGER MITEI S	Ulm /Franz-Josef	09/01/09	08/31/11	0	200,027	(0)
		6920425	C	P320000	SCHLUMBERGER MITEI S	Hover /Franz S	09/01/09	03/31/11	0	80,000	0
		6921062	C	P320000	SCHLUMBERGER MITEI S	Lanza /Richard C	12/01/09	03/31/12	0	54,919	(0)
		6922792	C	P320000	SCHLUMBERGER MITEI S	Reis /Pedro Miguel	07/01/10	12/31/13	0	282,000	(0)
		6922822	C	P320000	SCHLUMBERGER MITEI S	Yildiz /Bilge	03/15/10	02/28/12	0	154,445	0
		6923464	C	P320000	SCHLUMBERGER MITEI S	Hosoi /Anette E	01/01/11	01/31/17	0	249,871	0
		6924967	C	P320000	SCHLUMBERGER MITEI S	Malcolm /Alison E	07/01/11	06/30/12	0	80,000	(0)
		6924970	C	P320000	SCHLUMBERGER MITEI S	Ulm /Franz-Josef	09/01/11	08/31/16	0	2,500,000	(0)
		6925381	C	P320000	SCHLUMBERGER MITEI S	Lang /Jeffrey H	11/01/11	01/31/13	0	69,695	0
		6928780	C	P320000	SCHLUMBERGER MITEI S	Williams /John R	04/01/13	06/30/14	0	160,000	0
		6928888	C	P320000	SCHLUMBERGER MITEI S	Ulm /Franz-Josef	09/01/13	08/31/15	0	119,999	0
		6937227	C	P320000	SCHLUMBERGER MITEI S	Leonard /John J	09/01/17	08/31/20	170,284	524,751	85,699
		6937512	C	P320000	SCHLUMBERGER MITEI S	Leonard /John J	09/01/17	08/31/20	105,708	364,323	87,521
	Total by Primary Sponsor								275,991	4,840,035	173,224
005979 Google, Inc	005979 Google, Inc	6933252	C	P066000	PO#465350	Chiang /Yet-Ming	01/01/16	12/31/20	57,351	1,200,147	19,553
		6933535	C	P039010	MEDIA LAB CONSORTIA	Oxman /Neri	09/01/15	07/31/17	0	300,000	(0)
		6936347	C	P061901	PO 430041	Sontag /David Alexander	01/01/17	08/31/19	1,468	46,094	27
		6938754	C	P039010	AGREEMENT DATED 5/15/17	Maes /Patricia	03/01/18	05/31/21	122,055	530,640	131,719

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	Total by Primary Sponsor								180,874	2,076,881	151,299
005987 Honda Research Institute USA, Inc.	005987 Honda Research Institute USA, Inc.	6938443	C	P067952	PURCHASE ORDER 45002	Roy /Nicholas	04/01/18	07/31/21	176,761	600,000	85,232
		6938674	C	P067952	PURCHASE ORDER 45002	Lozano-Perez /Tomas	04/01/18	03/31/21	264,368	600,000	(8,075)
		6938675	C	P067952	PURCHASE ORDER 45002	Tenenbaum /Joshua B	04/01/18	03/31/21	463,515	600,000	(157,577)
	Total by Primary Sponsor								904,644	1,800,000	(80,420)
006012 Bill & Melinda Gates Foundation	005460 Children's Hosp 006012 Bill & Melinda Gates Foundation	6940284	C	P062000	PO#GENFD0001771345	Hammond /Paula T	11/06/18	05/31/20	238,219	349,584	44,262
		6919680	C	P091020	OPP52811	Suri /Tavneet	06/05/09	06/30/20	11,342	281,585	268,320
		6922177	C	P091020	OPP52811	Suri /Tavneet	06/05/09	06/30/20	701,016	3,782,020	(1,195,661)
		6922558	C	P091020	OPP52811	Suri /Tavneet	01/01/10	06/30/20	0	263,143	3,443
		6922595	C	P091020	OPP52811	Suri /Tavneet	07/01/10	06/30/20	0	784,581	(9,941)
		6922596	C	P091020	OPP52811	Glennester /Rachel	05/01/10	12/31/11	0	31,460	0
		6922598	C	P091020	OPP52811	Glennester /Rachel	06/17/10	04/03/11	0	43,642	0
		6923466	C	P091020	OPP52811	Suri /Tavneet	02/17/11	06/30/20	0	388,384	1,751
		6924145	C	P091020		Suri /Tavneet	05/01/11	12/31/14	0	34,260	0
		6924146	C	P091020	OPP52811	Suri /Tavneet	05/01/11	06/30/20	0	312,271	(10,000)
		6924147	C	P091020	OPP52811	Glennester /Rachel	05/01/11	12/31/14	0	54,942	0
		6924148	C	P091020	OPP52811	Suri /Tavneet	05/01/11	06/30/20	0	278,481	(0)
		6924452	C	P091020	OPP52811	Suri /Tavneet	07/25/11	06/30/20	0	273,386	0
		6924800	C	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	74,889	280,000	(848,022)
		6925375	C	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	211,842	28,644
		6925376	C	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	17,547	(17,547)
		6925377	C	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	81,853	(78,240)
		6925378	C	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	197,397	(10,000)
		6925882	C	P091020	OPP52811	Suri /Tavneet	06/05/09	06/30/20	0	291,264	5
		6925883	C	P091020	OPP52811	Glennester /Rachel	06/05/09	12/31/14	0	54,527	0
		6925941	C	P091020	OPP52811	Suri /Tavneet	05/01/12	06/30/20	0	54,843	0
		6925942	C	P091020	OPP52811	Suri /Tavneet	06/01/12	06/30/20	0	188,179	(0)
		6925943	C	P091020	OPP52811	Suri /Tavneet	06/01/12	06/30/20	0	58,821	35
		6926420	C	P091020	OPP52811	Suri /Tavneet	05/01/12	06/30/20	0	24,955	2
		6926976	C	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	76,595	3,272,721	203,827
		6928061	C	P402012	OPP1096734	Langer /Robert S	08/22/13	08/31/16	0	3,242,048	(0)
		6928538	C	P402012	OPP1095790	Langer /Robert S	08/27/13	12/31/16	0	4,247,517	2,320
		6928555	C	P402012	OPP1087261	Langer /Robert S	08/27/13	10/31/21	10,162	1,591,388	(1,648)
		6928701	C	P067952	OPP1095790	Matusik /Wojciech	08/27/13	08/31/14	0	60,000	(0)
		6930178	C	P402012	OPV1100799	Langer /Robert S	06/17/14	06/30/16	0	1,261,031	(0)
		6931079	C	P402012	AGREEMENT DATED 6/10	Langer /Robert S	06/17/14	10/31/21	0	472,789	5,269
		6931081	C	P402012	AGREEMENT DATED 6/10	Langer /Robert S	06/17/14	10/31/21	0	177,767	(7,500)
		6932249	C	P402000	OPP1131518	Langer /Robert S	07/15/15	07/31/17	0	315,832	0
		6932917	C	P402000	OPP1139921	Langer /Robert S	09/01/15	06/30/18	(28)	2,283,619	0
		6933063	C	P402000	OPP1139937	Langer /Robert S	09/01/15	06/30/18	4	2,159,908	0
		6933064	C	P402012	OPP1139927	Langer /Robert S	09/01/15	06/30/18	(23)	2,004,948	0
		6933122	C	P402000	OPP1136638	Langer /Robert S	11/19/15	04/30/18	0	972,595	(0)

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		6934398	C	P402000	OPP1150646	Langer /Robert S	07/20/16	12/31/18	0	683,133	(0)
		6934792	C	P091020	OPP1037202	Duflo /Esther	07/01/16	10/31/19	35,771	85,000	(13,536)
		6935128	C	P091020	OPP1163727	Finkelstein /Amy	12/15/16	12/31/20	55,885	0	(300,013)
		6935137	C	P402012	OPP1095790	Langer /Robert S	09/27/13	05/30/20	842,218	3,252,985	(978)
		6935138	C	P402012	OPP1087261	Langer /Robert S	09/27/13	10/31/21	35,842	2,452,274	(35,760)
		6935191	C	P402000	OPP1155345	Langer /Robert S	09/22/16	09/30/19	44,665	1,355,640	0
		6935208	C	P065005	OPP1159595	Varanasi /Kripa	11/04/16	12/31/20	520,343	1,728,607	37,774
		6935213	C	P069201	INVESTMENT ID OPP1158	Niles /Jacquin	11/07/16	10/31/21	595,591	1,516,226	362,010
		6935306	C	P091020	OPP1163727	Finkelstein /Amy	12/15/16	12/31/20	136,866	556,831	11,729
		6935545	C	P069201	INVESTMENT ID OPP1162	Niles /Jacquin	12/01/16	12/31/20	361,170	1,847,558	107,103
		6935611	C	P402000	OPP1155120_PROJ 1	Langer /Robert S	01/01/17	09/30/17	0	265,098	(0)
		6935930	C	P065005	OPP1159595	Varanasi /Kripa	11/04/16	12/31/20	0	8,043	0
		6936771	C	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	333,659	(22,871)
		6937320	C	P402000	OPP1179091	Langer /Robert S	10/01/17	09/30/20	411,223	2,560,953	(231,694)
		6937567	C	P402000	OPP1087261	Langer /Robert S	08/27/13	10/31/21	1,251	419,920	0
		6937582	C	P402000	OPP1807261	Langer /Robert S	11/01/17	10/31/21	232,560	835,570	(44,584)
		6937607	C	P402000	OPP1087261	Langer /Robert S	10/01/17	10/31/21	0	226,684	(58,255)
		6937755	C	P402000	OPP1139937	Langer /Robert S	09/01/15	06/30/18	30	60,330	0
		6938966	C	P402012	OPP1087261	Langer /Robert S	06/15/18	10/31/21	(121,911)	1,040,000	(49,319)
		6939381	C	P091020	OPP1198806	Sautmann /Anja	09/11/18	12/31/20	275,232	573,871	53,111
		6939876	C	P091020	OPP1201537	Autor /David H	11/26/18	12/31/20	279,216	574,618	213,142
		6939937	C	P402012	OPP1150646.S1	Langer /Robert S	12/01/18	11/30/20	460,292	800,460	71,787
		6939939	C	P402012	OPP1202654	Langer /Robert S	09/14/18	12/31/20	522,571	909,846	58,332
		6940035	C	P069201	OPP1197938	Alm /Eric J	11/29/18	06/30/20	139,324	251,627	38,119
		6940147	C	P069201	OPP1197938	Alm /Eric J	11/29/18	06/30/20	127,075	260,820	(23,115)
		6940245	C	P091020	OPP1201537	Autor /David H	11/26/18	12/31/20	55,000	357,000	302,000
		6940308	C	P091020	OPP1195002	Suri /Tavneet	11/28/18	12/31/22	0	572,154	572,154
		6940327	C	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	431,484	1,100,000	668,516
		6940328	C	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	443,456	875,000	431,544
		6940329	C	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	380,036	341,328	(100,968)
		6941246	C	P093800	INV-001186	Reich /Blair Justin F	07/25/19	08/31/20	305,234	624,485	319,251
		6941816	C	P093800	INV-000752	Reich /Blair Justin F	10/11/19	12/31/20	59,488	699,803	640,315
		6941849	C	P402012	OPP1213852	Langer /Robert S	04/02/19	08/31/23	1,250,632	4,976,847	3,726,215
		6942009	C	P091020	INV-001341	Olken /Benjamin	11/01/19	02/28/23	664,326	0	(664,326)
		6942082	C	P402000	INV-002740	Love /John C	11/21/19	07/31/22	0	4,795,970	4,795,970
		6942158	C	P095500	INV-002539	Tsai /Lily L	11/26/19	12/31/20	0	946,360	946,360
		6942166	C	P091020	INV-003700	Finkelstein /Amy	11/26/19	11/30/20	27,942	445,650	417,708
		6942197	C	P402000	INV-002740	Love /John C	11/21/19	07/31/22	652,127	0	(652,127)
		6942198	C	P402000	INV-002740	Love /John C	11/21/19	07/31/22	29,491	0	(29,491)
		6942277	C	P402000	OPP1179091	Langer /Robert S	10/01/17	09/30/20	947,690	1,250,000	302,310
		6942279	C	P402000	OPP1087261	Langer /Robert S	08/27/19	10/31/21	302,057	701,000	398,943
		6942280	C	P091020	INV-003648	Sautmann /Anja	11/26/19	11/30/22	119,677	907,828	788,151
		6942522	C	P091020	INV-003648	Sautmann /Anja	11/26/19	11/30/22	0	50,265	50,265
		6942523	C	P091020	INV-003648	Sautmann /Anja	11/26/19	11/30/22	0	852,384	852,384
		6942606	C	P402000	OPP1155120	Langer /Robert S	01/01/20	12/31/20	152,403	683,698	531,295

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		6942976	C	P091020	INV-001341	Olken /Benjamin	11/01/19	02/28/23	0	2,089,949	2,089,949
		6942977	C	P091020	INV-001341	Olken /Benjamin	11/01/19	02/28/23	0	295,378	295,378
	006120 Harvard University	6937367	C	P091020	253337-5105519	Olken /Benjamin	06/19/17	09/30/20	930	95,261	91,511
		6938671	C	P165000	270790-5109686	Ribbeck /Katharina	03/21/18	12/31/20	0	31,237	(0)
		6938916	C	P069201	270790-5109089	Alm /Eric J	03/21/18	12/31/19	808	85,000	414
		6940106	C	P061901	289540.0001	Collins /James J.	09/13/18	05/31/19	(5)	2,911	0
		6940139	C	P069201	270790-5109089	Alm /Eric J	01/01/19	12/31/19	50,343	85,000	24
		6940228	C	P165000	270790-5109686	Ribbeck /Katharina	01/01/19	12/31/19	3,074	27,104	(0)
		6942884	C	P165000	270790-5109686	Ribbeck /Katharina	01/01/20	12/31/20	70,052	164,903	94,851
	006379 Institute for Fin	6935343	C	P091020	OPP1155565	Sautmann /Anja	11/01/16	11/30/20	89,655	817,567	542,965
	006513 University College London	6936659	C	P402000	AGRMNT 6/30/2017 / REF:	Love /John C	11/18/16	10/31/21	187,122	4,967,468	2,647,475
		6936743	C	P402000	AGREEMENT DATED 6/30	Braatz /Richard D	11/18/16	10/31/21	0	298,208	2,633
		6936744	C	P402000	AGREEMENT DATED 6/30	Varanasi /Kripa	11/18/16	12/31/18	0	264,221	(0)
		6938454	C	P402000	AGREEMENT DATED 6/30	Braatz /Richard D	11/18/16	12/01/18	0	6,142	0
		6939406	C	P402000	AGREEMENT DATED 6/30	Braatz /Richard D	11/18/16	12/01/18	0	11,863	0
	006570 Massachusetts General Hospital	6939183	C	P039070	226618	Boyden /Edward	11/01/17	10/31/19	124,652	165,000	0
		6939455	C	P061901	232374	Shalek /Alexander K	09/01/18	12/31/18	(5,239)	18,127	0
		6941335	C	P061901	MGH 226618/OPP112622	Bhatia /Sangeeta N	06/01/19	05/31/20	54,373	55,000	627
		6941879	C	P061902	233675	Shalek /Alexander K	06/01/19	01/15/20	38,444	38,434	(10)
		6942167	C	P061901	234232	Shalek /Alexander K	01/01/19	05/31/20	10,845	16,167	5,322
		6942170	C	P061901	232277	Shalek /Alexander K	01/01/19	05/31/20	8,626	16,167	7,541
		6942172	C	P061901	233675	Shalek /Alexander K	01/01/19	11/30/19	8,441	8,441	(0)
		6942175	C	P061901	232374	Shalek /Alexander K	01/01/19	12/31/19	8,626	8,626	0
		6942521	C	P061901	233675	Shalek /Alexander K	09/01/19	01/15/20	23,471	18,093	(5,378)
		6942713	C	P061902	233675	Shalek /Alexander K	01/16/20	05/31/20	28,412	28,413	1
		6942899	C	P402000	226618-OPP1126222	Irvine /Darrell J	10/01/19	09/30/20	32,721	110,000	77,279
		6943158	C	P061901	234232	Shalek /Alexander K	01/16/20	08/31/20	16,231	19,706	3,474
		6943160	C	P061901	233675	Shalek /Alexander K	01/16/20	08/31/20	16,231	19,706	3,474
		6943313	C	P402000	226618-OPP1126222	Hammond /Paula T	10/01/19	09/30/20	0	55,000	55,000
	007709 Virginia Commc	6937891	C	P152000	FP00006010_SA005	Jamison /Timothy F	07/24/17	05/15/20	175,368	1,888,897	331,423
	010085 The Broad Institute, Inc.	6929112	C	P061901	5610092-5500000624	Bhatia /Sangeeta N	11/01/13	10/31/14	0	89,161	0
		6931138	C	P061901	6615715-5500000624	Bhatia /Sangeeta N	11/01/14	10/31/15	0	110,025	(0)
		6933377	C	P061901	6615716-5500000624	Bhatia /Sangeeta N	11/01/15	10/31/16	0	109,330	(0)
		6935327	C	P061901	6615717-5500000624	Bhatia /Sangeeta N	11/01/16	10/31/17	0	137,004	0
		6937743	C	P061901	6615718-5500000624	Bhatia /Sangeeta N	11/01/17	10/31/18	0	110,000	96
		6938359	C	P061901	5700015716	Bhatia /Sangeeta N	11/01/17	10/31/18	(15,795)	46,252	0
		6940182	C	P061901	6615720-5500000624	Bhatia /Sangeeta N	11/01/18	10/31/19	35,485	110,000	2,690
	010193 Phillip T. and S	6937989	C	P159300	226618	Chung /Kwanghun	09/01/18	08/31/20	151,036	165,000	6,316
	010295 University of Ca	6941985	C	P091020	SUBK UNDER GATES OPF	Suri /Tavneet	01/01/19	11/30/23	273,389	232,412	(40,977)
	011059 Cincinnati Child	6935402	C	P402000	134688	Yilmaz /Omer	07/01/16	12/31/18	(0)	231,000	0
	102237 Wyss Institute	6941995	C	P061902	T. DOUGAN.GATES.OPP1	Greenberg /Julie E	06/01/19	12/31/19	37,512	37,512	0
	Total by Primary Sponsor								13,313,240	86,266,339	19,060,847
006015 Gordon & Betty Moore Foundation	006015 Gordon & Betty Moore Foundation	6925039	C	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	11/10/11	07/30/19	19,700	317,251	(0)
		6925091	C	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	11/10/11	07/30/19	0	73,045	0

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		6926049	C	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	05/17/12	11/09/13	0	321,226	0
		6927978	C	P153000	GRANT AGREEMENT #37	Follows /Michael J	05/08/13	12/31/20	117,870	1,481,486	48,626
		6931202	C	P158000	LTR AGREEMENT #4540	Gedik /Nuh	11/03/14	09/30/20	152,147	1,822,410	13,754
		6931204	C	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	12/31/20	355,805	1,788,819	61,354
		6932132	C	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	06/30/16	0	11,069	0
		6932266	C	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	07/01/15	08/31/16	0	45,599	0
		6934896	C	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	03/31/17	0	6,383	0
		6935590	C	P158000	LTR AGREEMENT #4540	Gedik /Nuh	11/03/14	01/31/19	0	0	0
		6935771	C	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	206,134	1,330,502	662,731
		6935780	C	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	353,980	867,064	254,863
		6935781	C	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	1,233	1,109	(1,985)
		6936538	C	P267100	GRANT #5279	Zwierlein /Martin Wolfram	05/27/17	05/31/20	294,299	883,500	3,733
		6938275	C	P267100	GRANT #5279	Zwierlein /Martin Wolfram	05/27/17	05/31/20	39,573	270,000	255
		6939407	C	P159600	GMBF5215	Hewitt /Jacqueline N	09/01/18	08/31/20	447,007	581,325	25,694
		6939633	C	P158000	#7729	Fakhri /Nikta	01/01/18	12/31/21	196,264	706,516	(179,685)
		6940029	C	P093800	GRANT #7777	Klopfel /Eric	09/01/18	04/30/21	230,348	764,000	408,992
		6941311	C	P158000	GRANT #8684	Todadri /Senthil	07/16/19	12/31/24	0	1,071,832	1,071,832
		6942263	C	P158000	9070	Checkelsky /Joseph	12/02/19	09/01/20	6,477	729,798	723,321
		6942715	C	P152000	9162.15	Zhang /Bin	02/06/20	05/01/21	8,429	56,250	47,821
		6943351	C	P158000	GRANT AGREEMENT #94	Jarillo-Herrero /Pablo	05/15/20	05/31/25	0	1,600,000	1,600,000
		6943353	C	P158000	GRANT AGREEMENT #94	Gedik /Nuh	05/15/20	05/31/25	0	1,600,000	1,600,000
	006120 Harvard University	6941942	C	P267111	270643-5111976	Englund /Dirk R.	12/14/18	12/31/20	0	35,500	35,500
		6942496	C	P267111	270643-5111976	Englund /Dirk R.	12/14/18	12/31/20	14,449	14,500	51
	007380 Stanford University	6938707	C	P267111	PO 61630109 / SPO 13207	Berggren /Karl K	05/18/17	08/31/20	388,118	1,530,589	372,044
		6941256	C	P267111	PO 61630109 / SPO 13207	Berggren /Karl K	09/01/17	08/31/20	63,385	69,411	6,026
	Total by Primary Sponsor								2,895,220	17,979,185	6,754,926
006019 Quanta Computer, Inc.	006019 Quanta Computer, Inc.	6897576	C	P067950	AGMT. DTD. 4/1/05	Rus /Daniela L	04/01/05	05/31/24	0	974,377	972,282
		6897998	C	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/18	0	1,560	1,560
		6897999	C	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/19	376	4,873,719	305
		6898261	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	81,234	0
		6898297	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	99,554	0
		6898337	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	37,022	0
		6898338	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	44,320	0
		6898403	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	01/15/06	0	22,031	0
		6898404	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	30,282	0
		6898405	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	62,609	0
		6898406	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	41,630	0
		6898880	C	P067952	AGMT. DTD. 4/1/05	Devadas /Srinivas	09/01/05	08/31/17	0	2,788,654	0
		6898881	C	P067952	AGMT. DTD. 4/1/05	Glass /James R	04/01/05	08/31/20	18,972	8,891,615	14,199
		6898882	C	P067952	AGMT. DTD. 4/1/05	Kaashoek /M. Frans	04/01/05	08/31/09	0	2,297,219	(0)
		6898883	C	P067952	AGMT. DTD. 4/1/05	Ward /Stephen A	04/01/05	08/31/09	0	1,779,680	0
		6914338	C	P067952	AGMT. DTD. 4/1/05	Miller /Robert C	09/01/06	08/31/13	0	1,384,320	0
		6914404	C	P067952	AGMT. DTD. 4/1/05	Barzilay /Regina	09/01/06	08/31/09	0	436,389	0
		6916522	C	P067952	AGMT. DTD. 4/1/05	Glass /James R	09/01/07	08/31/09	0	964,361	0

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		6916766	C	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	09/01/07	12/31/08	0	98,950	(0)
		6916892	C	P067952	AGMT. DTD. 4/1/05	Agarwal /Anant	09/01/07	08/31/09	0	405,882	0
		6918829	C	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	09/01/08	08/31/19	0	1,726,892	574
		6918849	C	P067952	AGMT. DTD. 4/1/05	Freeman /William T	09/01/08	08/31/17	0	875,192	(0)
		6920423	C	P067952	AGMT. DTD. 4/1/05	Katabi /Dina	09/01/09	08/31/10	0	151,620	0
		6920698	C	P067952	AGMT. DTD. 04/01/05	Agarwal /Anant	06/01/09	09/30/13	0	3,555,636	14
		6920699	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	09/01/09	08/31/13	0	90,090	0
		6920700	C	P067952	AGMT. DTD. 04/01/05	Kaashoek /M. Frans	09/01/09	08/31/17	0	1,939,838	0
		6920701	C	P067952	AGMT. DTD. 04/01/05	Ward /Stephen A	09/01/09	08/31/13	0	1,013,711	(0)
		6920782	C	P067952	AGMT. DTD. 4/1/05	Guttag /John V	09/01/09	08/31/17	0	1,716,329	0
		6920783	C	P067952	AGMT. DTD. 04/01/05	Madden /Samuel R	09/01/09	08/31/17	0	959,461	0
		6922986	C	P067952	AGMT. DTD. 4/1/05	Mithal /Arvind	09/01/10	08/31/16	0	1,136,132	0
		6923892	C	P067952	AGMT. DTD. 4/1/05	Teller /Seth	05/01/11	04/09/14	0	535,580	0
		6923918	C	P067952	AGMT. DTD. 4/1/05	Guttag /John V	04/01/11	08/31/13	0	4,344	0
		6924479	C	P067952	AGMT. DTD. 4/1/05	Leonard /John J	08/08/11	08/31/13	0	8,369	0
		6924622	C	P067952	AGMT. DTD. 4/1/05	Matusik /Wojciech	09/01/08	08/31/17	0	947,697	(0)
		6924671	C	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/19	10,193	1,447,157	149,906
		6925625	C	P067952	AGMT. DTD. 4/1/05	Matusik /Wojciech	12/01/11	08/31/17	(159)	262,303	(312)
		6925826	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	04/01/05	05/31/19	0	458,434	0
		6926732	C	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/17	0	22,349	(0)
		6926823	C	P060600	AGMT. DTD. 4/1/05	Chandrakasan /Anantha P	09/01/12	08/31/17	0	403,688	0
		6927402	C	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	04/01/05	08/31/17	0	581,840	(0)
		6928561	C	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	09/01/13	08/31/17	0	0	(19)
		6928562	C	P067952	AGMT. DTD. 4/1/05	Miller /Robert C	09/01/13	08/31/17	0	634,505	0
		6928563	C	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	09/01/13	08/31/19	0	792,235	0
		6928564	C	P067952	AGMT. DTD. 4/1/05	Ward /Stephen A	09/01/13	08/31/19	0	195,611	5,121
		6928565	C	P067952	AGMT. DTD. 4/1/05	O'Reilly /Una-May	09/01/13	08/31/15	0	79,971	(0)
		6928768	C	P154000	AGMT. DTD. 4/1/05	Etingof /Pavel I	09/01/13	08/31/17	0	79,230	0
		6931158	C	P067952	AGMT. DTD. 4/1/05	Szolovits /Peter	09/01/14	08/31/17	0	99,762	(0)
		6932932	C	P067952	AGMT. DTD. 4/1/05	Seneff /Stephanie	09/01/15	08/31/20	163,654	1,162,471	180,817
		6941544	C	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	06/01/19	05/31/24	0	0	0
		6941562	C	P067952	AGMT. DTD. 4/1/05	Barzilay /Regina	06/01/19	08/31/20	278,095	450,000	171,905
		6941563	C	P067952	AGMT. DTD. 4/1/05	Stultz /Collin M	06/01/19	08/31/20	204,502	450,000	245,498
		6941564	C	P067952	AGMT. DTD. 4/1/05	Rus /Daniela L	06/01/19	05/31/21	174,801	187,500	12,699
		6941598	C	P067952	AGMT. DTD. 4/1/05	Rus /Daniela L	06/01/19	08/31/20	74,754	187,500	112,746
		6941600	C	P067952	AGMT. DTD. 4/1/05	Guttag /John V	06/01/19	08/31/20	296,222	450,000	153,778
	Total by Primary Sponsor								1,221,409	47,920,855	2,021,072
006037 LG Chem, Ltd.	006037 LG Chem, Ltd.	6942818	C	P066000	RESEARCH AGREEMENT	Yildiz /Bilge	05/01/20	04/30/21	0	150,000	150,000
	Total by Primary Sponsor								0	150,000	150,000
006039 Novartis Pharma AG	006039 Novartis Pharm AG	6915445	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	0	6,783,065	0
		6915447	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	12,028	5,183,283	(0)
		6915469	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	(22,537)	3,428,190	0

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		6925954	C	P152000	AGMT. DTD. 6/1/07	Jamison /Timothy F	06/01/07	05/31/19	(404)	4,682,726	0
		6925955	C	P062000	AGMT. DTD. 6/1/07	Jensen /Klavs F	06/01/07	05/31/19	485	4,826,651	(0)
		6925957	C	P062000	AGMT. DTD. 6/1/07	Jensen /Klavs F	06/01/07	05/31/19	(15,406)	1,304,937	(0)
	Total by Primary Sponsor								(25,834)	26,208,852	0
006041 The Boeing Company	006041 The Boeing Cor	6932697	C	P121012	MIT-BA-GTA-1 RPP 69326	Graves /Stephen C	01/01/16	12/31/19	130,556	630,427	(0)
	Total by Primary Sponsor								130,556	630,427	(0)
006059 Kaiser Permanente	006059 Kaiser Permane	6941136	C	P122080	1	Kochan /Thomas Anton	01/01/19	06/30/21	111,574	465,944	354,370
	Total by Primary Sponsor								111,574	465,944	354,370
006060 William T Grant Foundation	006060 William T Grant	6931988	C	P091000	GRANT # 184441	Pathak /Parag	07/01/15	06/30/20	129,385	275,397	(73,167)
	Foundation	6943350	C	P091000	190295	Pathak /Parag	07/01/20	06/30/23	0	188,852	188,852
	Total by Primary Sponsor								129,385	464,249	115,685
006070 Greenwall Foundation	006070 Greenwall Foun	6935364	C	P039000		Esvelt /Kevin Michael	01/01/17	12/31/18	(7,852)	167,148	0
	Total by Primary Sponsor								(7,852)	167,148	0
006082 Entertainment Industry Foundation	007555 University of Texas-MD Anderson Cancer Center	6938332	C	P402000	00006300 (SU2C-AACR-D1	Jacks /Tyler E	02/01/18	01/31/19	0	220,000	0
		6940365	C	P402000	00006300 (SU2C-AACR-D1	Jacks /Tyler E	02/01/19	01/31/20	129,441	220,000	(1,492)
		6942699	C	P402000	00006300 (SU2C-AACR-D1	Jacks /Tyler E	02/01/20	01/31/21	38,281	220,000	181,719
	100462 Beckman Reser	6939655	C	P402000	SU2C-BCRF-2015-001	Irvine /Darrell J	07/01/18	06/30/19	(5,007)	138,589	0
	Total by Primary Sponsor								162,715	798,589	180,227
006112 Harvard Medical School	006112 Harvard Medical School	6938685	C	P061902	RENCOK-002	Greenberg /Julie E	02/01/18	01/15/19	(0)	4,664	0
		6940356	C	P158000	PELLETIER DISCRETIONA	Fakhri /Nikta	01/16/19	05/31/19	(0)	19,399	0
		6940910	C	P400600	AGREEMENT NO. 283418.	Harnett /Mark Thomas	09/01/18	06/30/20	81,774	79,631	(2,143)
		6941379	C	P158000	PELLETIER DISCRETIONA	Fakhri /Nikta	06/01/19	08/31/19	7,058	7,058	0
		6941724	C	P061902	026427-747000/ALSENTE	Greenberg /Julie E	09/01/19	05/31/20	59,671	59,676	5
		6941729	C	P154500	283418.5114013.0016	Halassa /Michael	09/01/18	06/30/20	98,360	100,000	1,640
		6941863	C	P158000	PELLETIER_DISCRETION	Fakhri /Nikta	09/01/19	01/15/20	28,007	28,007	0
	Total by Primary Sponsor								274,871	298,435	(499)
006120 Harvard University	006120 Harvard University	6939466	C	P061902	PO# J.HAHN HST FALL 20	Greenberg /Julie E	09/01/18	01/15/19	(165)	28,645	0
		6940388	C	P061901	168009.0001	Collins /James J.	01/24/19	07/23/20	4,094	6,394	2,300
		6940506	C	P061094	AGREEMENT DTD. 03/20/2	Barrett /Steven R. H.	12/01/18	08/31/19	4,012	34,836	109
		6940830	C	P039070	AGREEMENT NO. 283418.	Boyden /Edward	09/01/18	06/30/20	97,933	95,886	(2,047)
		6940864	C	P069201	PAUL_REGINATO_152772	Church /George M	07/01/18	06/30/19	0	63,929	63,929
		6941594	C	P158000	TBD	Kardar /Mehran	09/01/19	01/15/20	28,487	28,487	(0)
		6942570	C	P061094	AGMT DTD. 1/23/20	Barrett /Steven R. H.	09/01/19	08/31/20	44,043	48,916	4,874
		6942837	C	P064000	AGREEMENT REF# 13436	Kolodziejski /Leslie A	01/16/20	05/31/20	29,608	29,608	0
	006570 Massachusetts	6939530	C	P061902	226198	Greenberg /Julie E	06/01/18	08/31/18	(66)	7,182	0

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	Total by Primary Sponsor								207,944	343,883	69,165
006129 Henry Ford Health System	006129 Henry Ford Health System	6940885	C	P067952	AGREEMENT DATES 5/7/1	Barzilay /Regina	10/01/19	09/30/20	111,562	189,773	78,211
	Total by Primary Sponsor								111,562	189,773	78,211
006140 The William And Flora Hewlett Foundation	006140 The William And Flora Hewlett Foundation	6930452	C	P091020	2014-9907	Olken /Benjamin	07/14/14	06/14/20	66,655	22,478	(262,672)
		6930453	C	P091020	2014-9907	Olken /Benjamin	07/14/14	06/14/20	227,154	456,675	(1,225,840)
		6935038	C	P400600	2016-4429	Gabrieli /John D. E.	07/11/16	05/31/21	149,823	1,000,000	193,980
		6935277	C	P095500	GRANT #2016-4961	Stewart /Charles H	11/14/16	09/30/20	114,272	1,418,512	123,139
		6936945	C	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	129,731	700,000	42,612
		6937746	C	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	14,421	150,000	18,770
		6937747	C	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	78,246	150,000	(77,509)
		6939975	C	P122175	2018-8226	Rigobon /Roberto	12/01/18	01/31/20	80,804	152,511	(0)
		6940852	C	P091020	#2018-7992	Banerjee /Abhijit	01/01/19	01/31/22	80,471	500,000	419,529
		6943495	C	P095500	GRANT #2020-1715	Stewart /Charles H	04/30/20	04/30/21	0	200,000	200,000
	105286 National Writing	6940088	C	P093800	MA01-HEWLETT2018	Reich /Blair Justin F	11/26/18	10/31/19	(3,901)	42,500	(0)
	Total by Primary Sponsor								937,676	4,792,675	(567,991)
006146 The Paul G Allen Family Foundation	006112 Harvard Medical School	6941687	C	P400600	KINGGREENBERGALLEN	Feng /Guoping	09/01/19	08/31/20	26,745	32,118	5,373
	006146 The Paul G Allen Family Foundation	6934284	C	P061901	12196	Collins /James J.	06/01/16	06/30/21	302,023	1,506,650	300,375
	Total by Primary Sponsor								328,768	1,538,768	305,748
006151 Johns Hopkins University	006151 Johns Hopkins University	6935142	C	P069201	AGREEMENT EFF. 07/01/2	Fraenkel /Ernest	07/01/16	12/31/18	0	180,009	21,769
		6940957	C	P069201		Fraenkel /Ernest	04/01/18	09/30/18	0	24,502	24,502
		6941343	C	P069201	PO# 2004381646	Fraenkel /Ernest	10/01/18	09/30/19	25,441	88,382	62,941
	Total by Primary Sponsor								25,441	292,893	109,212
006154 The Hong Kong University of Science & Technology	006154 The Hong Kong University of Science & Technology	6927641	C	P060600	AGREEMENT DATED APF	Sodini /Charles G	04/08/13	04/07/25	92,966	496,338	101,386
		6931482	C	P060600	AGREEMENT DATED APF	Sodini /Charles G	04/08/13	12/31/21	0	12,321	12,321
		6931484	C	P067952	ITS/143/14FP	Katabi /Dina	01/15/15	04/30/17	0	379,491	(0)
		6931779	C	P060600	ITS/195/14FP	Chandrakasan /Anantha P	01/15/15	04/14/17	0	233,980	0
		6931780	C	P267100	ITS/195/14FP	Kong /Jing	01/15/15	04/14/17	0	203,994	(0)
		6931781	C	P267600	ITS/195/14FP	Lu /Timothy K	01/15/15	09/29/17	0	234,999	(0)
		6934408	C	P067952	ITS/306/15FP	O'Reilly /Una-May	07/01/16	06/30/18	(5,273)	365,405	0
		6934409	C	P067952	ITS/205/15FP	Katz /Boris	07/01/16	06/30/18	0	439,860	0
		6935342	C	P065005	ITS/020/16FP	Shao-Horn /Yang	03/16/17	09/30/19	(8,286)	593,909	0
		6935401	C	P069850	ITS/020/16FP	Thompson /Carl Vernet	03/16/17	04/07/19	0	41,836	0
		6935520	C	P060600	ITS/211/16FP	Chandrakasan /Anantha P	01/15/17	03/31/19	(1,279)	302,868	(0)
		6935521	C	P060600	ITS/211/16FP	Kong /Jing	01/15/17	03/31/19	0	187,305	0
		6935522	C	P267600	ITS/211/16FP	Lu /Timothy K	01/15/17	01/14/19	(18,469)	186,517	0
		6935523	C	P063007	ITS/212/16FP	Williams /John R	12/01/16	12/31/19	0	143,569	0
		6935524	C	P063007	ITS/212/16FP	Williams /John R	12/01/16	12/31/19	0	150,299	(0)
		6935525	C	P068100	ITS/212/16FP	Larson /Richard Charles	12/01/16	12/31/19	7,764	168,581	(0)

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		6936197	C	P065004	ITS/410/16FP	Fang /Xuanlai	06/01/17	08/31/20	23,406	15,410	(7,764)
		6936203	C	P065004	ITS/410/16FP	Fang /Xuanlai	06/01/17	11/30/19	19,975	149,775	5,762
		6936210	C	P031000	ITS/410/16FP	Glicksman /Leon R	06/01/17	11/30/19	25,572	177,981	2,471
		6936213	C	P267110	ITS/410/16FP	Wornell /Gregory W	06/01/17	11/30/19	50,375	92,981	(0)
		6936214	C	P267110	ITS/410/16FP	Zheng /Lizhong	06/01/17	11/30/19	32,382	122,572	0
		6936306	C	P067952	ITS/373/16FP	Katabi /Dina	02/28/17	02/27/19	(442)	379,693	0
		6936353	C	P267110	ITS/447/16FP	Chan /Vincent W. S.	05/01/17	10/31/19	62,095	493,781	(0)
		6938122	C	P068700	ITS/066/17FP	Win /Moe Z	01/01/18	06/30/20	204,193	558,500	11,019
		6938124	C	P065005	ITS/018/17FP	Rodriguez Garcia /Alberto	01/01/18	02/29/20	83,452	498,029	0
		6938825	C	P060600	AGREEMENT DATED APF	Sodini /Charles G	04/08/13	12/31/21	541	9,428	8,887
		6939044	C	P067952	ITS/227/17FP	Katz /Boris	07/01/18	06/30/20	231,739	431,015	(16,857)
		6939217	C	P067952	ITS/227/17FP	O'Reilly /Una-May	07/01/18	06/30/20	137,772	361,121	(11,161)
		6939721	C	P067952	ITS/457/17FP	Shah /Julie A	07/16/18	07/15/20	137,067	159,236	(19,214)
		6942285	C	P060600	AGREEMENT DATED APF	Glicksman /Leon R	12/01/19	12/31/20	67,278	97,128	29,850
		6942740	C	P267110	AGREEMENT DATED APF	Voldman /Joel	01/06/20	01/05/22	14,490	543,837	529,347
		6942767	C	P267200	AGREEMENT DATED APF	Shao-Horn /Yang	01/06/20	01/05/22	16,758	60,426	43,668
6942933	C	P065004	ITS-104-19FP	Rodriguez Garcia /Alberto	01/01/20	12/31/21	136,661	368,432	231,771		
Total by Primary Sponsor									1,310,739	8,660,616	921,486
006160 Howard Hughes Medical Institute	006160 Howard Hughes Medical Institute	6934524	C	P402000	55108580	Vander Heiden /Matthew G.	11/01/16	10/31/21	87,092	600,000	189,045
		6934722	C	P039070	55108505	Boyden /Edward	11/01/16	10/31/21	0	241,648	0
		6939678	C	P154500	55108520	Fiete /Ila R	08/01/18	10/31/21	150,986	337,597	127,021
	Total by Primary Sponsor									238,078	1,179,245
006180 Human Frontier Science Program	006180 Human Frontier Science Program	6933843	C	P039000	RGP0015/2016	Boyden /Edward	09/01/16	08/31/19	6,495	300,000	0
		6934279	C	P158000	CDA00053/2016-C	Fakhri /Nikta	07/01/16	06/30/19	(924)	66,900	0
		6934294	C	P158000	CDA00053/2016-C	Fakhri /Nikta	07/01/16	06/30/19	924	233,100	0
		6936029	C	P152000	RGY0076/2017	Schlau-Cohen /Gabriela S	11/01/17	10/31/21	21,841	375,000	240,145
		6938798	C	P154500	RGY0067/2016	Halassa /Michael	01/16/18	09/30/19	52,475	229,310	0
		6939683	C	P061901	RGP0057/2018	Mirny /Leonid A	11/01/18	12/31/21	37,984	80,000	(214)
		6940019	C	P154500	RGP0062/2014	Fiete /Ila R	08/01/18	12/31/19	7,319	38,806	(185)
		6941355	C	P158000	RGP0040/2019	Cisse /Ibrahim I	09/01/19	08/31/22	77,621	120,000	42,379
	Total by Primary Sponsor									203,736	1,443,116
006234 Institute of International Education, Inc.	006234 Institute of International Education, Inc.	6941943	C	P097500	GRANT NO. 154259	Fravel /Maris Taylor	08/01/19	04/15/20	48,072	48,000	(72)
		Total by Primary Sponsor									48,072
006276 The Japan Foundation, New York	007534 University of California	6941939	C	P095500	118945803	Kim /In Song	08/06/19	08/05/20	0	4,050	4,050
		Total by Primary Sponsor									0
006300 The Robert Wood Johnson Foundation	006300 The Robert Wood Johnson Foundation	6935092	C	P091020	74024	Finkelstein /Amy	10/01/16	03/31/19	(0)	3,663	(0)
		6936198	C	P039000	ID 74479	Oxman /Neri	05/01/17	09/30/19	35,899	583,733	35,687
	006342 Innovations for	6942725	C	P122070	RWJF-18-10001-S1	Suri /Tavneet	07/01/19	08/31/20	76,848	88,330	11,482

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	101210 Conservation Li	6937836	C	P035000	AGMT DRD AUG 15, 2017	Arcaya /Mariana Clair	08/15/17	10/31/20	440,554	844,539	166,592
	Total by Primary Sponsor								553,300	1,520,266	213,762
006306 The Joyce Foundation	006306 The Joyce Foundation	6935345	C	P095500	GRANT ID 16-37496	Stewart /Charles H	01/01/17	01/31/20	50,957	135,568	(519)
		6938112	C	P065004	GRANT ID 17-38164	Hart /Anastasios John	01/01/18	06/30/20	414,949	500,000	6,258
	Total by Primary Sponsor								465,906	635,568	5,739
006310 Juvenile Diabetes Research Foundation International	006310 Juvenile Diabetes Research Foundation International	6936182	C	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/17	05/31/20	0	347,328	(0)
		6939250	C	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/18	05/31/19	765	157,934	(0)
		6939827	C	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/17	05/31/19	25,433	353,697	0
		6940575	C	P061901	1-PNF-2019-778-S-B	Roche /Ellen	06/01/19	12/31/20	106,451	120,000	13,549
		6941100	C	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/19	05/31/20	262,830	542,238	279,408
		6941101	C	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/17	05/31/20	461,578	547,269	85,691
	Total by Primary Sponsor								857,056	2,068,466	378,649
006315 French American Cultural Exchange	006315 French America	6941918	C	P153000	TBD	Frank /William B	10/01/19	08/31/21	0	10,000	10,000
	Total by Primary Sponsor								0	10,000	10,000
006331 Tokyo Electron Limited	006331 Tokyo Electron	6941602	C	P066000	AGMT DTD 10/1/19	Ross /Caroline A	10/01/19	09/30/22	137,566	360,000	222,434
	Total by Primary Sponsor								137,566	360,000	222,434
006349 Lockheed Martin Missiles and Fire Control	006349 Lockheed Martin Missiles and Fire Control	6919954	C	P320000	LMC SUSTAINING MEMBE	Armstrong /Robert C	07/06/09	08/31/17	0	7,194	7,194
		6921803	C	P320000	LMC SUSTAINING MEMBE	Prinn /Ronald G	04/01/10	09/30/10	0	144,036	(0)
		6921914	C	P320000	LMC SUSTAINING MEMBE	Mitsos /Alexander	01/01/10	06/30/11	0	24,307	(0)
		6922347	C	P320000	LMC SUSTAINING MEMBE	Kirchain /Randolph E	06/01/10	05/31/11	0	241,166	0
		6922673	C	P320000	LMC SUSTAINING MEMBE	Malnati /Christine M	07/06/09	07/05/15	0	400,000	0
		6922890	C	P320000	LMC SUSTAINING MEMBE	Lloyd /Seth	09/01/10	08/31/11	0	59,987	(0)
		6923938	C	P320000	LMC SUSTAINING MEMEB	Trancik /Jessika	05/01/11	01/15/12	0	142,811	(0)
		6924660	C	P320000	LMC SUSTAINING MEMEB	Barrett /Steven R. H.	03/01/11	03/31/11	0	41,583	0
		6925027	C	P320000	LMC SUSTAINING MEMEB	Barrett /Steven R. H.	09/01/11	12/31/12	0	214,484	0
		6925432	C	P320000	LMC SUSTAINING MEMBE	Malnati /Christine M	01/01/12	12/31/14	0	600,000	0
		6925517	C	P320000	LMC SUSTAINING MEMEB	Larson /Kent	03/01/12	08/31/12	0	49,733	0
		6925518	C	P320000	LMC SUSTAINING MEMBE	Belcher /Angela M	04/01/12	03/31/14	0	150,000	0
		6925519	C	P320000	LMC SUSTAINING MEMEB	Lozano /Paulo C	04/01/12	03/31/14	0	299,508	(0)
		6927028	C	P320000	LMC SUSTAINING MEMBE	Malnati /Christine M	10/01/12	08/31/13	0	15,000	0
		6927642	C	P320000	LMC SUSTAINING MEMBE	Li /Ju	04/01/13	03/14/16	0	449,549	(0)
		6928095	C	P320000	LMC SUSTAINING MEMBE	Grossman /Jeffrey C.	09/01/13	02/28/15	0	199,929	(0)
		6929650	C	P320000	LMCO RPP E14-001	Kim /Sangbae	04/01/14	08/31/14	0	20,765	(0)
		6930499	C	P320000	LMCO RPP E14-005	Hager /Bradford H	08/15/14	12/14/15	0	182,832	0
		6930658	C	P320000	LMCO RPP S15-006	Jay /Jason Jesurum	08/15/14	02/14/16	0	133,797	0
		6930684	C	P320000	LMCO RPP S14-007	Grossman /Jeffrey C.	09/01/14	08/31/15	0	150,000	0
		6930685	C	P320000	LMCO RPP S14-008	Karnik /Rohit	09/01/14	03/31/16	0	236,711	0
		6930915	C	P320000	LMCO RPP S14-012	Kim /Sangbae	10/15/14	10/14/15	0	129,989	0

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		6930916	C	P320000	LMCO RPP S14-014	Perreault /David J	10/15/14	05/29/15	0	44,694	(0)
		6930985	C	P320000	LMCO RPP S14-016	Hart /Anastasios John	10/15/14	12/31/17	0	324,482	0
		6931156	C	P320000	LMCO RPP S14-008	Karnik /Rohit	11/01/14	03/31/16	0	21,768	0
		6931644	C	P320000	LMCO RPP S14-016	Hart /Anastasios John	10/15/14	08/31/17	0	30,064	0
		6932159	C	P320000	LMCO RPP S15-014	Vandiver /John Kim	03/01/15	12/31/15	0	49,900	(0)
		6932536	C	P320000	LMCO RPP S15-015	Trancik /Jessika	08/01/15	07/31/17	0	185,711	0
		6934053	C	P320000	RPP S16-004	How /Jonathan P	03/15/16	10/31/16	0	86,137	(0)
		6934133	C	P320000	S16-005	Hoffman /Jeffrey A	01/01/16	08/31/16	0	51,444	(0)
	6941886	C	P066000	RPP#LM0012905-19-26-P	Hu /Juejun	07/01/19	01/31/20	27,721	40,000	12,279	
Total by Primary Sponsor									27,721	4,727,581	19,473
006354 iFLYTEK, Company	006354 iFLYTEK, Company	6938803	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/20	0	0	0
		6938804	C	P067952	AGMT. DTD. 07/01/2018	Glass /James R	07/01/18	06/30/20	200,131	490,620	(45)
		6938805	C	P067952	AGMT. DTD. 07/01/2018	Tenenbaum /Joshua B	07/01/18	06/30/20	(112,385)	213,404	0
		6938806	C	P067952	AGMT. DTD. 07/01/2018	Davis /Randall	07/01/18	06/30/20	239,130	488,600	266
		6939131	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/20	609,569	1,018,321	(19,283)
		6940821	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/23	0	19,091	0
	6940866	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/23	182	19,964	(0)	
Total by Primary Sponsor									936,626	2,250,000	(19,061)
006357 Kauffman Foundation	006357 Kauffman Foundation	6936925	C	P121400	G-201704-2086	Catalini /Christian	08/01/17	07/31/20	0	35,000	(0)
		6939642	C	P122070	RG-201807-4773	Schoar /Antoinette	10/01/18	10/15/22	23,798	356,148	288,265
		6939686	C	P121175		Aral /Sinan Kayhan	10/01/18	09/30/23	83,743	373,000	256,574
	012124 Innovation Grov	6936106	C	P067952	AWARD EFFECTIVE 03/30	Thompson /Neil	03/30/17	06/30/20	807	50,626	45,799
Total by Primary Sponsor									108,348	814,774	590,638
006381 Komatsu, Limited	006381 Komatsu, Limited	6934151	C	P065004	AGMT DTD 5/30/16	Asada /Haruhiko	07/01/16	09/30/20	218,101	868,319	74,106
		6935973	C	P065004	AGMT DTD 5/30/16	Asada /Haruhiko	03/01/17	06/30/20	3,808	11,681	0
	Total by Primary Sponsor									221,909	880,000
006428 Knight Foundation	006428 Knight Foundation	6931126	C	P039000	GR-2014-48697	Zuckerman /Ethan	11/01/14	04/30/20	93,957	724,075	827
		6939094	C	P093700	G-2018-56345	Egozy /Eran	07/13/18	12/01/19	14,213	50,000	573
		6942320	C	P039000	GR-2019-59812	Zuckerman /Ethan	04/01/19	08/31/20	373,921	550,000	176,079
	Total by Primary Sponsor									482,091	1,324,075
006431 Kaist (Korea Advanced Institute of Sciences & Technology)	006431 Kaist (Korea Advanced Institute of Sciences & Technology)	6941634	C	P068700	AGMT. DTD. 9/19/19	Shah /Devavrat	07/01/19	01/31/20	80,036	80,000	(36)
		6943081	C	P068700	AGMT. DTD. 4/1/20	Shah /Devavrat	04/01/20	10/31/20	0	71,000	71,000
	Total by Primary Sponsor									80,036	151,000
006433 Esther A. & Joseph Klingenstein Fund Incorporated	006433 Esther A. & Joseph Klingenstein Fund Incorporated	6938881	C	P400600	TBD	Harnett /Mark Thomas	07/01/18	06/30/20	104,511	150,000	(3,769)
	Total by Primary Sponsor									104,511	150,000

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006434 Korea Institute of Science & Technology (KIST)	006434 Korea Institute of Science & Technology (KIST)	6938536	C	P066000	AGREEMENT DTD 05/02/1	Beach /Geoffrey Stephen	01/01/18	12/31/20	61,955	196,000	64,137
		6938661	C	P060600	AGMT DTD 6/11/18	del Alamo /Jesus A	06/01/18	12/31/20	122,295	297,522	121,898
		Total by Primary Sponsor							184,250	493,522	186,035
006438 Kuwait Foundation for the Advancement of Sciences	006438 Kuwait Foundation for the Advancement of Sciences	6926078	C	P267500	MODIFIED GRANT AGMT.	Leeb /Steven B	07/01/12	12/31/14	0	200,000	(0)
		6926084	C	P065004	MODIFIED GRANT AGMT.	Kim /Sangbae	07/01/12	12/31/14	0	200,000	0
		6926460	C	P153000	MODIFIED GRANT AGMT.	Fehler /Michael C	09/01/12	08/31/14	0	200,000	(0)
		6926792	C	P063007	MODIFIED GRANT AGMT.	Buyukozturk /Oral	02/01/13	12/31/17	0	3,782,870	(0)
		6927684	C	P068000	MODIFIED GRANT AGMT.	Li /Ju	06/01/13	05/31/15	0	200,000	(0)
		6927685	C	P065003	MODIFIED GRANT AGMT.	Youcef-Toumi /Kamal	08/01/13	12/31/15	0	199,989	(0)
		6927686	C	P267500	MODIFIED GRANT AGMT.	Leeb /Steven B	09/01/13	08/31/15	0	200,000	0
		6927687	C	P062000	MODIFIED GRANT AGMT.	Strano /Michael S.	06/01/13	05/31/15	0	199,914	(0)
		6929657	C	P068000	MODIFIED GRANT AGMT.	Buongiorno /Jacopo	05/01/14	09/01/16	0	200,000	(0)
		6929658	C	P062000	MODIFIED GRANT AGMT.	Brushett /Fikile R	06/01/14	05/31/16	0	200,000	(0)
		6929659	C	P151000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Jaenisch /Rudolf	09/01/14	08/31/16	0	200,000	0
		6929660	C	P062000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Bazant /Martin Z	06/01/14	02/01/17	0	178,204	(0)
		6930547	C	P062000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Bazant /Martin Z	08/12/14	05/31/15	0	17,261	0
		6931648	C	P267110	MODIFIED GRANT AGMT. SIGNED 5/2/12	Han /Jongyeon	01/01/15	04/30/19	0	0	0
		6931742	C	P267110	MODIFIED GRANT AGMT. SIGNED 5/2/12	Han /Jongyeon	01/01/15	04/30/20	33,459	1,022,519	(18,282)
		6931743	C	P267110	MODIFIED GRANT AGMT. SIGNED 5/2/12	Han /Jongyeon	01/01/15	04/30/19	0	11,595	(0)
		6931744	C	P062000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Gleason /Karen K	01/01/15	04/30/19	0	747,549	(0)
		6931745	C	P402410	MODIFIED GRANT AGMT. SIGNED 5/2/12	Lienhard /John H	01/01/15	04/30/19	0	1,143,459	0
		6931746	C	P267500	MODIFIED GRANT AGMT. SIGNED 5/2/12	White /Jacob K	01/01/15	04/30/19	0	320,836	14,375
		6931747	C	P063007	MODIFIED GRANT AGMT. SIGNED 5/2/12	Adams /Edward E	01/01/15	04/30/19	0	732,048	(0)
		6931774	C	P035000	MOD 7 SIGNATURE PROJECT 3	Ratti /Carlo	11/01/15	10/31/19	0	448,726	168,794
		6931817	C	P267600	MODIFIED GRANT AGMT. SIGNED 5/2/12	Lu /Timothy K	09/01/15	11/01/18	0	168,120	0
		6931818	C	P068700	MODIFIED GRANT AGMT. SIGNED 5/2/12	Roosbehani /Mardavij	09/01/15	08/31/17	0	199,990	(0)

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		6933374	C	P063007	MODIFIED GRANT AGMT. SIGNED 5/2/12	Adams /Edward E	01/01/16	12/31/18	0	14,767	0
		6933587	C	P035000	MOD 7 SIGNATURE PROJECT 3	Ratti /Carlo	11/01/15	10/31/19	3,685	839,899	(0)
		6933588	C	P069201	MOD 7 SIGNATURE PROJECT 3	Alm /Eric J	11/01/15	10/31/19	5,501	868,857	0
		6933589	C	P069201	MOD 7 SIGNATURE PROJECT 3	Runstadler /Jonathan	11/01/15	11/01/18	0	149,031	(0)
		6933590	C	P063007	MOD 7 SIGNATURE PROJECT 3	Polz /Martin F	11/01/15	10/31/19	0	93,125	(0)
		6933591	C	P063007	MOD 7 SIGNATURE PROJECT 3	Eltahir /Elfatih A. B.	11/01/15	10/31/19	0	99,649	0
		6933592	C	P067952	MOD 7 SIGNATURE PROJECT 3	Rus /Daniela L	11/01/15	10/31/19	0	123,755	0
		6933593	C	P069200	MOD 7 SIGNATURE PROJECT 3	Alm /Eric J	11/01/15	10/31/19	16	376,383	0
		6935606	C	P267500	MODIFIED GRANT AGMT. SIGNED 5/2/12	White /Jacob K	01/01/17	04/30/20	0	127,864	0
	103851 Kuwait Universi	6941303	C	P063007	AGMT DATED 5/23/2019	Eltahir /Elfatih A. B.	06/01/19	02/28/21	0	103,820	103,820
Total by Primary Sponsor									42,660	13,570,231	268,707
006443 L3 Communications Integrated System	006443 L3 Communications Integrated System	6938224	C	P065004	AGREEMENT DATED 2/1/18	Hart /Douglas	09/07/17	12/31/19	56,693	200,000	5,486
	Total by Primary Sponsor								56,693	200,000	5,486
006461 The Lemelson Foundation	006461 The Lemelson Foundation	6940791	C	P061100	GRANT 18-01545	Cima /Michael J	01/01/19	10/31/19	24,725	24,725	0
		6940792	C	P061100	GRANT 18-01545	Cima /Michael J	01/01/19	12/31/19	(910)	0	0
	Total by Primary Sponsor								23,815	24,725	0
006475 Leukemia and Lymphoma Society	006475 Leukemia and Lymphoma Society	6936668	C	P402000	6537-18	Koehler /Angela Nicole	10/01/17	05/29/20	0	0	0
		6936763	C	P402000	6537-18	Koehler /Angela Nicole	10/01/17	09/30/18	0	200,000	(0)

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		6939568	C	P402000	6537-18	Koehler /Angela Nicole	10/01/18	09/30/19	91,638	199,779	0
		6942188	C	P402000	6537-18	Koehler /Angela Nicole	10/01/19	05/29/20	111,802	100,221	(11,582)
		Total by Primary Sponsor							203,440	500,000	(11,582)
	006484 General Electric Company	006484 General Electric Company	6926006	C	P060600	AGMT. DTD. 4/25/11 PO# 400095317	Sodini /Charles G	04/01/12	09/30/18	0	20,148
		6927104	C	P267500	AGMT. DTD. 4/25/11 PO# 400095317	Stultz /Collin M	04/01/12	12/31/16	0	274,000	(0)
		6931067	C	P060600	AGMT. DTD. 4/25/11 PO# 400095317	Sodini /Charles G	04/01/12	12/31/16	0	11,852	(0)
		6937748	C	P320000	AGREEMENT EFF. 08/15/2016/ PO 730007322	Paltsev /Sergey	12/01/17	04/30/19	0	244,339	(0)
		6937903	C	P320000	AGREEMENT EFF. 08/15/2016/ PO 730007322	Paltsev /Sergey	08/14/17	04/30/19	0	224,693	0
		6938305	C	P320109	AGREEMENT EFF. 08/15/2016/ PO 730007322	Tan /Choon S	09/01/18	08/31/22	50,811	211,212	38,320
		6938510	C	P320105	AGREEMENT EFF. 08/15/2016/ PO 730007322	Li /Ju	04/01/18	03/31/20	(8,272)	125,000	(0)
		6938821	C	P320109	AGREEMENT EFF. 08/15/2016/ PO 730007322	O'Sullivan /Francis Martin	03/01/18	12/31/19	96,236	326,009	0
		Total by Primary Sponsor							138,775	1,437,253	38,344
006511 Sanofi Pasteur S.A.	006511 Sanofi Pasteur S.A.	6943295	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	3,271	150,000	146,729
	Total by Primary Sponsor							3,271	150,000	146,729	
	006550 Macarthur Foundation	006550 Macarthur Foundation	6935652	C	P039000	16-1606-150944-JOU	Zuckerman /Ethan	01/01/17	06/30/19	(23,172)	605,617
		6940045	C	P093800	18-1708-152239-JOU	Uricchio /William C	10/01/18	09/30/20	333,093	600,000	30,047
		Total by Primary Sponsor							309,921	1,205,617	30,047
006570 Massachusetts General Hospital	006570 Massachusetts General Hospital	6938517	C	P400600	223875-992731	Crittenden /Jill R	09/01/17	07/31/20	94,247	220,000	5,395

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		6939257	C	P069501	232357	Coughlin /Joseph F	07/01/18	06/30/20	179,462	240,000	(919)
		6939425	C	P061901	231117	Shalek /Alexander K	04/01/18	12/31/18	(362)	615	0
		6939435	C	P400600	223875	Crittenden /Jill R	01/01/18	12/31/19	10,695	19,305	548
		6939468	C	P061902	228296	Greenberg /Julie E	06/01/18	05/31/19	(105)	19,663	0
		6939550	C	P061902	229297	Greenberg /Julie E	09/01/18	05/31/19	(20,544)	37,077	0
		6939558	C	P061902	229297	Greenberg /Julie E	09/01/18	03/04/19	(4,121)	37,355	0
		6939622	C	P064000	231409	Adalsteinsson /Elfar	09/01/18	08/31/19	6,701	64,589	0
		6939643	C	P061902	229297	Greenberg /Julie E	08/01/18	08/31/18	(40)	3,837	0
		6939913	C	P061902	212953	Greenberg /Julie E	09/01/18	02/28/19	(12,220)	23,993	(0)
		6941070	C	P061902	228296	Greenberg /Julie E	09/01/18	05/31/19	19,913	19,913	(0)
		6941420	C	P061902	228296/SHELDON KWOK	Greenberg /Julie E	01/16/19	03/04/19	4,121	4,122	1
		6941422	C	P061902	228601/TAYLOR CANNON	Greenberg /Julie E	03/01/19	05/31/19	11,997	11,997	(0)
		6941560	C	P064000	230662	Brown /Emery Neal	06/01/19	05/31/20	42,116	42,116	0
		6941719	C	P064000	224403	Adalsteinsson /Elfar	09/01/19	05/31/20	61,229	61,229	0
		6941720	C	P064000	226255	Adalsteinsson /Elfar	09/01/19	01/15/20	7,369	7,369	0
		6941722	C	P061902	232602/YONG-CHUI YOON	Greenberg /Julie E	09/01/19	01/15/20	28,412	28,412	(0)
		6941858	C	P159300	FUND#234386	Brown /Emery Neal	09/01/19	05/31/20	24,142	23,940	(202)
		6941862	C	P061902	224403/F. WANG	Greenberg /Julie E	09/01/19	05/31/20	65,271	59,674	(5,597)

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		6941877	C	P061902	212442	Greenberg /Julie E	09/01/19	01/15/20	14,918	14,918	(0)
		6942004	C	P061902	233648	Greenberg /Julie E	09/01/19	05/31/20	30,165	38,238	8,073
		6942108	C	P064000	233648	Adalsteinsson /Elfar	09/01/19	05/31/20	57,928	57,928	0
		6942132	C	P159300	229428	Brown /Emery Neal	09/01/19	05/31/20	72,347	111,686	39,339
		6942179	C	P061902	228296 - PAUL DENNENBERG	Greenberg /Julie E	01/16/20	05/31/20	11,010	11,010	0
		6942180	C	P061902	228296 - PAUL DANNENBERG	Greenberg /Julie E	09/01/19	01/15/20	9,252	9,252	(0)
		6942181	C	P061902	228296 - PAUL DANNENBERG	Greenberg /Julie E	06/01/19	08/31/19	2,460	2,460	0
		6942411	C	P064000	224403	Adalsteinsson /Elfar	12/01/19	05/31/20	25,887	25,888	1
		6942516	C	P064000	226255 (MCDANIEL)	Adalsteinsson /Elfar	01/16/20	05/31/20	7,369	7,369	0
		6942517	C	P061902	232602	Greenberg /Julie E	01/16/20	05/31/20	28,412	28,415	3
		6942718	C	P061902	233648	Greenberg /Julie E	01/16/20	05/31/20	29,836	30,666	830
		6942720	C	P061902	211249	Greenberg /Julie E	02/01/20	01/16/21	4,693	13,369	8,676
		6942873	C	P159300	234387	Brown /Emery Neal	09/01/19	05/31/20	23,607	23,940	333
		Total by Primary Sponsor								836,166	1,300,346
006578 Massachusetts Technology Collaborative	006578 Massachusetts Technology Collaborative	6943409	C	P065005	SOW 21645	Slocum /Alexander H	04/21/20	10/30/20	0	200,000	200,000
		Total by Primary Sponsor								0	200,000
006593 McKnight Foundation	006593 McKnight Foundation	6934772	C	P159300	AGREEMENT EFF. 08/01/2016	Chung /Kwanghun	08/01/16	07/31/20	188,087	200,000	(4,448)
		6940715	C	P400600	AGREEMENT DTD. 4/9/2019	Harnett /Mark Thomas	07/01/19	06/30/20	90,874	75,000	(15,874)

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	Total by Primary Sponsor								278,961	275,000	(20,322)
006594 James S. McDonnell Foundation	006594 James S. McDonnell Foundation	6926096	C	P154500	220020331	McDermott /Joshua Hartman	09/01/12	08/31/20	6,026	600,000	749
		6934461	C	P158000	JSMF GRANT NO. 220020476	Gore /Jeff	10/01/16	09/30/22	40,885	337,500	31,026
		6935140	C	P154000	JSMF GRANT NO. 220020474	Dunkel /Joern	10/01/16	09/30/20	103,329	450,000	16,516
	007380 Stanford University	6938656	C	P400600	PO#61662261 SPO#12454	DiCarlo /James	08/21/17	06/30/20	13,293	13,187	(13,257)
		6939348	C	P400600	PO#61662261 SPO#12454	DiCarlo /James	01/01/18	06/30/19	17,287	80,086	(0)
	Total by Primary Sponsor								180,819	1,480,772	35,034
006596 McKnight Endowment Fund	006596 McKnight Endowment Fund	6936558	C	P400600	AGREEMENT DATED 5-10-2017	Jazayeri /Mehrddad	07/01/17	06/30/21	48,247	225,000	99,890
		6938843	C	P400600	AGMT. DTD. 6/12/2018	Fee /Michale Sean	08/01/18	07/31/20	22,467	200,000	33,263
	Total by Primary Sponsor								70,713	425,000	133,153
006604 Andrew W. Mellon Foundation	006604 Andrew W. Mellon Foundation	6932135	C	P093200	11500608	Jones /Graham M	03/25/15	08/24/19	18,144	228,795	(0)
		6942987	C	P271000	1802-05529	Bourg /Mary C	04/01/20	08/31/22	0	750,000	750,000
	Total by Primary Sponsor								18,144	978,795	750,000
006669 FQXI	011199 Silicon Valley Community Foundation	6940153	C	P158000	2018-190474	Harrow /Aram W.	11/01/18	08/31/20	7,953	24,000	16,047
	Total by Primary Sponsor								7,953	24,000	16,047
006700 Muscular Dystrophy Assoc. of America, Incorporated	006700 Muscular Dystrophy Assoc. of America, Incorporated	6939779	C	P061901	MDA577961	Roche /Ellen	10/01/18	09/30/21	163,607	300,000	117,247
	Total by Primary Sponsor								163,607	300,000	117,247
006716 Eni S.p.A.	006716 Eni S.p.A.	6927495	C	P320000	5210000541	Armstrong /Robert C	01/01/13	05/31/18	0	18,063	18,063

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		6927496	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	155	155
		6927497	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	0	0
		6927498	C	P320000	5210000541	Slocum /Alexander H	03/01/13	06/30/16	0	289,902	0
		6927499	C	P320000	5210000541	Hammond /Paula T	03/01/13	10/31/16	0	640,000	(0)
		6927500	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	02/28/17	0	0	0
		6927501	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	06/30/16	0	689,998	0
		6927502	C	P320000	5210000541	Lloyd /Seth	03/01/13	12/31/15	0	189,365	0
		6927503	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/17	0	0	0
		6927504	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	06/30/16	0	249,993	0
		6927505	C	P320000	5210000541	Swager /Timothy M	03/01/13	06/30/16	0	249,934	0
		6927506	C	P320000	5210000541	Van Voorhis /Troy	03/01/13	06/30/16	0	199,983	0
		6927507	C	P320000	5210000541	Kong /Jing	03/01/13	09/15/16	0	420,000	0
		6927509	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/17	0	640,000	(0)
		6927510	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/17	0	564,324	0
		6927511	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	08/31/16	0	190,000	0
		6927512	C	P320000	5210000541	Buonassisi /Anthony	03/01/13	12/31/15	0	230,000	0
		6927513	C	P320000	5210000541	Gleason /Karen K	03/01/13	12/31/15	0	230,000	(0)
		6927514	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/17	0	150,631	0

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		6927695	C	P320000	5210000541	Casalegno /Federico	04/15/13	04/15/16	0	1,061,974	(0)
		6927804	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	126	126
		6927805	C	P320000	5210000541	Hammond /Paula T	01/01/13	09/30/14	0	200,000	(0)
		6927819	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/15	0	220,000	(0)
		6927820	C	P320000	5210000541	Gradecak /Silvija	03/01/13	08/31/15	0	330,000	(0)
		6927821	C	P320000	5210000541	Gleason /Karen K	03/01/13	12/31/15	0	186,243	0
		6927822	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	06/30/16	0	419,996	(0)
		6927823	C	P320000	5210000541	Grossman /Jeffrey C.	03/01/13	12/31/15	0	219,998	(0)
		6927824	C	P320000	5210000541	Jarillo-Herrero /Pablo	03/01/13	12/31/15	0	165,000	0
		6927825	C	P320000	5210000541	Palacios /Tomas	03/01/13	12/31/15	0	165,000	(0)
		6927850	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	12/31/15	0	39,963	0
		6927894	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/15	0	199,999	(0)
		6927895	C	P320000	5210000541	Belcher /Angela M	03/01/13	12/31/15	0	200,000	0
		6927915	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/16	0	368,366	0
		6927950	C	P320000	5210000541	Green /William H	06/01/13	07/31/16	0	585,756	0
		6927951	C	P320000	5210000541	Ono /Shuhei	06/01/13	05/31/16	0	372,779	(0)
		6927952	C	P320000	5210000541	Halton /Trevor Alan	06/01/13	12/31/16	0	969,574	(0)
		6927969	C	P320000	5210000541	Juanes /Ruben	06/01/13	12/31/16	0	599,999	0

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		6928191	C	P320000	5210000541	Swager /Timothy M	03/01/13	06/30/16	0	539,931	(0)
		6928192	C	P320000	5210000541	Van Voorhis /Troy	03/01/13	06/30/16	0	280,000	(0)
		6928364	C	P320000	CONTRACT NO. 5210000541 PO NO. 4310059796	Hammond /Paula T	09/01/13	05/31/15	0	240,000	(0)
		6928365	C	P320000	CONTRACT NO. 5210000541 PO NO. 4310053637	Grossman /Jeffrey C.	09/01/13	08/31/15	0	119,756	0
		6928385	C	P320000	5210000541	Juanes /Ruben	08/01/13	01/31/16	0	349,997	0
		6928386	C	P320000	5210000541	Marzouk /Youssef M	08/01/13	02/29/16	0	450,000	0
		6928387	C	P320000	5210000541	Hager /Bradford H	08/01/13	11/30/15	0	200,000	0
		6928421	C	P320000	5210000541	Swager /Timothy M	03/01/13	07/31/15	0	342,285	(0)
		6928528	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/20	66,410	420,000	4,966
		6928529	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/15	0	60,000	0
		6928586	C	P320000	5210000541	Gleason /Karen K	09/01/13	12/31/15	0	104,977	0
		6928683	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/15	0	39,918	(0)
		6928697	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/13	0	100,000	100,000
		6928704	C	P320000	5210000541	Swager /Timothy M	09/11/13	04/30/14	0	17,656	0
		6928832	C	P320000	5210000541	Varanasi /Kripa	12/01/13	05/31/17	0	873,552	0
		6928905	C	P320000	5210000541	Gschwend /Philip M	10/01/13	06/30/16	0	390,000	(0)
		6929381	C	P320000	5210000541	Green /William H	03/01/14	03/30/15	0	13,350	0
		6929510	C	P320000	5210000541	Brushett /Fikile R	03/01/14	08/31/16	0	770,521	(0)
		6929511	C	P320000	5210000541	Armstrong /Robert C	01/16/14	08/31/16	0	798,731	0

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		6930598	C	P320000	5210000541	Tisdale /William	03/01/14	02/29/16	0	200,000	(0)
		6930633	C	P320000	5210000541	Strano /Michael S.	08/01/14	08/31/17	0	300,000	0
		6931106	C	P320000	5210000541	Strano /Michael S.	08/01/14	12/31/15	0	60,000	0
		6931176	C	P320000	5210000541	Grossman /Jeffrey C.	11/01/14	08/31/15	0	60,000	0
		6931423	C	P320000	5210000541	Bulovic /Vladimir	03/01/14	07/31/16	0	120,000	(0)
		6931605	C	P320000	5210000541	Gleason /Karen K	03/01/13	08/31/15	0	60,000	(0)
		6931675	C	P320000	5210000541	Kong /Jing	09/01/14	09/30/15	0	60,000	(0)
		6931989	C	P320000	5210000541	Green /William H	09/01/14	05/31/16	0	60,000	0
		6932298	C	P320000	PO 4310145481	Karplus /Valerie Jean	06/01/15	12/31/16	0	149,767	0
		6932366	C	P320000	5210000541	Grossman /Jeffrey C.	03/01/15	06/30/16	0	129,999	0
		6932457	C	P320000	CONTRACT NO. 5210000541	Tisdale /William	09/01/14	02/29/16	0	59,999	(0)
		6932460	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/17	0	60,000	(0)
		6932461	C	P320000	5210000541	Gradecak /Silvija	03/01/13	06/30/16	0	119,995	(0)
		6932500	C	P320000	CONTRACT NO. 5210000541	Juanes /Ruben	04/01/15	12/31/16	0	78,711	0
		6932574	C	P320000	5210000541	Van Voorhis /Troy	03/01/15	06/30/16	0	70,000	(0)
		6933231	C	P320000	5210000541	Van Voorhis /Troy	03/01/15	02/29/16	0	60,000	0
		6933232	C	P320000	5210000541	Swager /Timothy M	03/01/15	08/31/17	0	60,000	0
		6933628	C	P320000	5210000541	Swager /Timothy M	03/01/14	02/28/15	0	60,000	0
		6933806	C	P320000	5210000541 / 4310174033	Casalegno /Federico	04/16/16	06/15/17	0	289,978	0

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		6933821	C	P320000	5210000541	Marzouk /Youssef M	03/01/16	02/28/17	0	100,000	(0)
		6933822	C	P320000	5210000541	Marzouk /Youssef M	03/01/16	02/28/17	0	59,990	(0)
		6933889	C	P320000	5210000541	Bawendi /Moungi G	01/01/16	12/31/17	0	230,000	0
		6933890	C	P320000	5210000541	Swager /Timothy M	01/01/16	08/31/17	0	80,000	(0)
		6933958	C	P320000	5210000541	Slocum /Alexander H	01/01/16	08/31/17	0	74,983	0
		6934097	C	P320000	4310177999	Swager /Timothy M	01/01/16	08/31/17	0	90,000	(0)
		6934098	C	P320000	4310177999	Bulovic /Vladimir	01/01/16	08/31/17	0	140,000	(0)
		6934099	C	P320000	4310177999	Van Voorhis /Troy	01/01/16	08/31/17	0	100,000	(0)
		6934100	C	P320000	4310177999	Grossman /Jeffrey C.	01/01/16	08/31/17	0	100,000	0
		6934101	C	P320000	4310177999	Kong /Jing	01/01/16	12/31/17	0	30,000	0
		6934102	C	P320000	4310177999	Gradecak /Silvija	01/01/16	08/31/17	0	60,000	0
		6934104	C	P320000	4310177998	Gleason /Karen K	01/01/16	10/31/17	0	200,000	0
		6934105	C	P320000	5210000541	Bulovic /Vladimir	01/01/16	08/31/17	0	59,847	(0)
		6934106	C	P320000	5210000541	Bulovic /Vladimir	01/01/16	08/31/17	0	140,000	(0)
		6934209	C	P320000	5210000541 / PO 4310186203	Gschwend /Philip M	07/01/16	02/28/19	0	392,810	(0)
		6934212	C	P320000	5210000541 / PO 4310184508	Juanes /Ruben	05/01/16	12/31/17	0	225,000	(0)
		6934295	C	P320000	5210000541	Tisdale /William	03/01/16	08/31/17	0	100,000	0
		6934332	C	P320000	5210000541	Swager /Timothy M	06/01/16	05/31/17	0	60,000	(0)

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		6934333	C	P320000	5210000541	Gradecak /Silvija	04/01/16	03/31/17	0	60,000	0
		6934334	C	P320000	5210000541	Kong /Jing	07/01/16	12/31/17	0	59,837	0
		6934335	C	P320000	5210000541	Bulovic /Vladimir	07/01/16	06/30/17	0	59,927	0
		6934366	C	P320000	5210000541 / PO 4310187859	Surendranath /Yogesh	05/01/16	09/30/18	0	933,000	0
		6934376	C	P320000	5210000541 / PO 4310184757	Green /William H	05/01/16	07/31/17	0	100,000	0
		6934377	C	P320000	5210000541 / PO 4310184757	Green /William H	05/01/16	05/31/17	0	60,000	(0)
		6934378	C	P320000	5210000541 / PO 4310184757	Green /William H	05/01/16	05/31/17	0	60,000	(0)
		6934387	C	P320000	5210000541	Green /William H	06/01/16	05/31/17	0	99,949	(0)
		6934410	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/16	05/31/19	3,362	754,121	(237)
		6934411	C	P320000	5210000541 / PO 4310188345	Shao-Horn /Yang	07/01/16	06/30/19	(10,776)	750,000	(249)
		6934642	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/16	05/31/17	0	60,000	0
		6934884	C	P320000	5210000541 / PO 4310191919	Shao-Horn /Yang	09/01/16	08/31/19	1,982	526,207	0
		6935034	C	P320000	5210000541 / PO 4310192434	Varanasi /Kripa	10/01/16	09/30/19	25,060	344,730	(0)
		6935517	C	P320000	5210000541 / PO 4310191919	Varanasi /Kripa	09/01/16	08/31/19	13,049	234,673	0
		6935815	C	P320000	5210000949	Armstrong /Robert C	01/01/17	05/31/21	0	267	267
		6936101	C	P320107	5210000949 PO 43102193	Bulovic /Vladimir	01/01/17	02/29/20	205,822	442,642	86
		6936102	C	P320107	5210000949 PO 43102191	Swager /Timothy M	01/01/17	02/29/20	23,154	420,000	(82)
		6936103	C	P320107	5210000949 PO 43102193	Slocum /Alexander H	01/01/17	02/29/20	61,121	285,000	295

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		6936107	C	P320107	5210000949 PO 43102191	Bulovic /Vladimir	01/01/17	04/30/20	153,069	420,000	51
		6936295	C	P320107	5210000949 PO 43102191	Gradecak /Silvija	01/01/17	02/28/19	(71,087)	259,479	0
		6936296	C	P320107	5210000949 PO 43102191	Kong /Jing	01/01/17	06/30/19	162	292,912	(0)
		6936366	C	P320000	5210000949	Armstrong /Robert C	01/01/17	12/31/20	0	371,516	369,463
		6936390	C	P320107	5210000949 PO 43102191	Bawendi /Moungi G	01/01/17	02/29/20	112,262	750,000	16
		6936391	C	P320107	5210000949 PO 43102191	Bawendi /Moungi G	01/01/17	02/29/20	0	60,000	0
		6936393	C	P320000	5210000949 PO 43102251	Green /William H	06/01/17	01/15/21	330,399	960,000	(1,816)
		6936408	C	P320105	5210000949 PO 43102209	Swager /Timothy M	06/01/17	11/30/20	177,525	750,000	100,074
		6936409	C	P320107	5210000949	Gradecak /Silvija	06/01/17	02/28/18	0	59,962	0
		6936490	C	P320000	5210000949 PO 43102283	Kulik /Heather Janine	06/01/17	05/31/20	161,492	500,000	(81)
		6936510	C	P320000	5210000541	Hatton /Trevor Alan	06/01/17	05/31/18	0	0	0
		6936588	C	P320000	5210000949	Kong /Jing	08/01/17	02/28/19	0	120,000	(0)
		6936658	C	P320000	5210000949	Hatton /Trevor Alan	06/01/17	05/31/18	0	60,000	(0)
		6936661	C	P320000	5210000949	Knittel /Christopher Roland	06/01/17	05/31/18	0	59,732	0
		6936662	C	P320107	5210000949	Bulovic /Vladimir	05/01/17	01/31/20	319,029	1,046,874	(0)
		6936663	C	P320000	4310233848 / 4310233859 4310299303	Casalegno /Federico	04/15/17	04/14/20	85,409	1,213,000	0
		6936664	C	P320000	5210000949	Tisdale /William	09/01/17	05/31/18	0	60,000	(0)
		6936939	C	P320000	5210000949	Karnik /Rohit	08/01/17	04/30/20	152,333	390,000	480

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		6936941	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/17	10/31/18	0	120,000	0
		6936942	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/17	10/31/18	0	100,000	(0)
		6936944	C	P320107	5210000949	Gleason /Karen K	09/01/17	02/28/20	113,058	500,000	367
		6937036	C	P320000	5210000949	Barrett /Steven R. H.	06/01/17	02/28/19	0	150,000	0
		6937037	C	P320000	5210000949	Juanes /Ruben	01/01/18	12/31/18	0	60,000	0
		6937827	C	P320000	RPP 4310245116	Varanasi /Kripa	09/01/17	04/30/21	192,959	689,090	270,135
		6938131	C	P320000	5210000949	Casalegno /Federico	04/15/17	04/14/18	0	0	0
		6938394	C	P320107	4310260562	Bulovic /Vladimir	01/01/18	01/31/20	81,286	299,925	0
		6938491	C	P320000	5210000949	Hartwig /Zachary Seth	02/01/18	01/31/19	0	60,000	(0)
		6938911	C	P320000	5210000949	Bromberg /Leslie	06/01/18	08/31/21	156,764	300,000	5,134
		6939003	C	P320000	4310280600	Whyte /Dennis G	04/01/18	01/31/21	186,358	359,651	94,536
		6939004	C	P320000	4310280198	Woller /Kevin Benjamin	04/01/18	05/31/21	103,395	356,482	173,176
		6939020	C	P320000	4310280204	Hartwig /Zachary Seth	04/01/18	05/31/21	138,156	199,108	(77,061)
		6939021	C	P320000	4310280595	Hartwig /Zachary Seth	04/01/18	01/31/21	151,392	377,291	69,448
		6939023	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/17	10/01/18	0	24,031	0
		6939024	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/16	10/01/18	0	34,459	0
		6939032	C	P320000	5210000949	Knittel /Christopher Roland	06/01/18	05/31/20	60,640	120,000	(870)
		6939349	C	P320000	5210000949	Surendranath /Yogesh	06/01/18	02/13/19	0	200,000	(0)

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		6939355	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/18	08/31/20	45,725	120,000	11,051
		6939448	C	P320000	5210000949	O'Sullivan /Francis Martin	09/01/18	08/31/19	0	59,994	0
		6939506	C	P320000	5210000949	Ceyer /Sylvia Teresse	12/01/18	11/30/20	36,995	185,177	86,484
		6939519	C	P320000	4310280204	Hartwig /Zachary Seth	04/01/18	05/31/21	427	108,734	33,527
		6939527	C	P320000	4310280595	Hartwig /Zachary Seth	04/01/18	05/31/20	2,189	40,000	6,951
		6939702	C	P320000	5210000949	Varanasi /Kripa	09/01/18	03/31/21	159,510	510,863	270,610
		6939754	C	P320000	5210000541 / PO 4310187635	Halton /Trevor Alan	06/01/18	05/31/19	0	102,389	0
		6940046	C	P320000	5210000949	Plata /Desiree Louise	11/01/18	06/30/20	108,554	623,736	51
		6940815	C	P320000	5210000949	Shao-Horn /Yang	05/01/19	12/31/19	93,974	103,662	0
		6940816	C	P320000	5210000949	Kong /Jing	05/01/19	12/31/19	91,561	110,000	0
		6940817	C	P320000	5210000949	Halton /Trevor Alan	05/01/19	12/31/19	94,003	85,000	(15,175)
		6940818	C	P320000	5210000949	Bawendi /Moungi G	05/01/19	12/31/19	106,851	170,000	(0)
		6940819	C	P320000	5210000949	Wukitch /Stephen James	05/01/19	09/30/19	7,896	9,000	1,104
		6940849	C	P320000	5210000949	Whyte /Dennis G	09/01/19	08/31/20	42,676	120,000	21,072
		6940909	C	P320000	5210000949	Romano /Giuseppe	06/01/19	05/31/20	47,231	60,000	7,418
		6940984	C	P320000	5210000949	Swager /Timothy M	06/01/19	03/31/20	185,904	192,368	(0)
		6941021	C	P320000	5210000949	Gschwend /Philip M	05/01/19	04/30/22	184,349	280,000	95,651
		6941105	C	P320000	5210000949	Shao-Horn /Yang	07/01/19	06/30/20	59,769	60,000	231
		6941196	C	P320000	5210000949	Forsberg /Charles W	06/01/19	12/31/20	229,607	350,000	120,393

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		6941347	C	P320000	5210000949	Ceyer /Sylvia Teresse	02/07/19	11/30/19	14,823	14,823	0
		6941843	C	P320000	5210000949	Li /Ju	07/01/19	06/30/20	61,877	60,000	(1,877)
		6941844	C	P320000	5210000949	Short /Michael P	07/01/19	06/30/21	23,092	60,000	36,908
		6941845	C	P320000	5210000949	Short /Michael P	07/01/19	06/30/20	59,999	60,000	1
		6942137	C	P320000		Armstrong /Robert C	09/15/19	12/31/23	0	200,000	200,000
		6942187	C	P320000	AGREEMENT# 52100001356	Short /Michael P	09/01/19	09/30/22	91,122	134,356	43,234
		6942192	C	P320000	AGREEMENT# 52100001356	Kong /Jing	10/01/19	09/30/22	242,855	263,000	20,145
		6942195	C	P320000	AGREEMENT# 52100001359	Short /Michael P	09/01/19	09/30/22	39,800	193,454	153,654
		6942201	C	P320000	AGREEMENT# 52100001359	Li /Ju	10/01/19	09/30/22	209,168	190,000	(19,168)
		6942225	C	P320000	AGREEMENT# 52100001356	Bawendi /Moungi G	10/01/19	09/30/22	172,138	189,072	16,934
		6942245	C	P320000	AGREEMENT# 52100001356	Roman /Yuriy	10/01/19	09/30/22	267,299	300,000	32,701
		6942248	C	P243020	AGREEMENT# 52100001359	Wukitch /Stephen James	10/01/19	09/30/22	236,797	361,279	124,482
		6942291	C	P320000		Greenwald /Martin J	01/01/20	12/31/20	59,988	120,000	60,012
		6942329	C	P320000	AGREEMENT# 52100001356	Shao-Horn /Yang	10/01/19	09/30/22	0	0	0
		6942330	C	P320000	AGREEMENT# 52100001356	Shao-Horn /Yang	10/01/19	09/30/22	31,215	52,458	21,243
		6942331	C	P320000	AGREEMENT# 52100001356	Roman /Yuriy	10/01/19	09/30/22	62,880	92,154	29,274
		6942332	C	P320000	AGREEMENT# 52100001356	Johnson /Jeremiah A.	10/01/19	09/30/22	86,775	105,201	18,426
		6942457	C	P320000	AGREEMENT# 52100001356	Shao-Horn /Yang	01/01/20	08/31/21	7,589	26,825	19,236

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		6942677	C	P320000	WORK ORDER 521000135	Karnik /Rohit	01/01/20	02/14/23	90,251	212,501	122,250
		6942835	C	P320000	WORK ORDER 521000135	Karnik /Rohit	02/21/20	04/24/21	0	70,000	70,000
		6942841	C	P320107	WORK ORDER# 4310383824	Bulovic /Vladimir	02/01/20	10/31/21	196,442	289,501	93,059
		6943181	C	P320000		Karnik /Rohit	05/01/20	04/30/21	2,726	60,000	57,274
		6943189	C	P320000		Swager /Timothy M	02/01/20	08/31/20	89,906	90,000	94
		6943191	C	P320000		Bulovic /Vladimir	04/01/20	03/31/21	17,600	60,000	42,400
		6943192	C	P320000		Green /William H	07/01/20	06/30/21	0	50,000	50,000
		Total by Primary Sponsor							6,555,348	44,788,284	2,956,090
006725 National Academy of Sciences	002569 Cambridge Systematics	6931046	C	P063007	AGRMNT EFFECTIVE 9/1/14	Gonzalez /Marta C.	09/01/14	03/01/16	(35,100)	53,723	(0)
	006870 North Carolina State University	6940187	C	P065005	2018-2798-03	Lermusiaux /Pierre	01/01/19	12/31/20	110,192	180,712	70,520
	Total by Primary Sponsor								75,092	234,435	70,520
006732 Nancy Lurie Marks Family Foundation	006732 Nancy Lurie Marks Family Foundatic	6934166	C	P400600	LTR. AGREEMENT DTD. 05/05/2016	Feng /Guoping	08/01/16	07/31/19	0	254,710	(1,354)
		6934214	C	P400600	LTR. AGREEMENT DTD. 05/05/2016	Graybiel /Ann M	08/01/16	07/31/19	2,027	361,857	0
		6941443	C	P159300	LETTER DATED 5/12/19	Choi /Bohyun Gloria	06/01/19	05/31/21	67,718	200,000	132,282
	Total by Primary Sponsor								69,746	816,567	130,927
006762 National Health and Medical Research Council	101292 Deakin Universi	6938989	C	P069201	APP1127059	White /Forest M	01/01/19	12/31/19	55,991	72,608	0
	Total by Primary Sponsor								55,991	72,608	0
006775 National Foundation-March of Dimes	006775 National Foundation-March of Dimes	6942261	C	P418101	5-FY19-106	Calo Velazquez /Eliezer	07/01/19	06/30/21	53,594	150,000	96,406

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	Total by Primary Sponsor								53,594	150,000	96,406
006849 Norwegian University of Science and Technology	006849 Norwegian University of Science and Technology	6929503	C	P320000	NTNU-MIT CRPP 2/26/14	Barton /Paul I	06/01/13	05/31/18	0	480,125	(0)
		6929504	C	P320000	NTNU-MIT CRPP 02/26/14	Sciavounos /Paul D	06/01/13	08/31/20	95,591	483,107	8,976
	Total by Primary Sponsor								95,591	963,232	8,976
006907 Aurora Flight Sciences RDC	006907 Aurora Flight Sciences RDC	6939881	C	P061093	AGMT. DATED 11/30/2018	Hansman /Robert J	11/01/18	01/15/21	133,292	199,781	22,656
		6941656	C	P061093	TBD	Hansman /Robert J	09/01/19	12/20/19	45,064	45,000	(64)
		6941665	C	P061093		Balakrishnan /Hamsa	09/01/19	12/20/19	38,273	38,323	51
		6941763	C	P061093	TBD	Balakrishnan /Hamsa	09/01/19	12/20/19	38,242	38,323	81
	Total by Primary Sponsor								254,870	321,428	22,724
006918 Samsung Electronics Co., Ltd.	006918 Samsung Electronics Co., Ltd.	6928049	C	P039010	MEDIA LAB SIG	Lieberman /Henry A	07/01/13	07/31/14	0	42,481	(0)
		6934467	C	P152000	AGMT.DTD. 8/1/2016	Nelson /Keith Adam	08/01/16	10/31/20	105,016	300,000	(20,759)
		6936692	C	P039010	GRO AGREEMENT DATED JULY 15, 2017	Roy /Deb K	07/15/17	07/14/18	0	150,000	0
		6938603	C	P039010	AGREEMENT DATED FEB 1, 2018	Park /Hae Won	02/01/18	04/30/20	81,566	160,000	1,568
		6940121	C	P060600	SEC-MIT BONING SRA 2017/12/13	Boning /Duane S	02/01/19	08/31/20	153,191	150,000	(3,346)
		6942601	C	P060600	AGMT DTD 2/1/2020	del Alamo /Jesus A	02/01/20	01/31/21	67,087	100,000	32,913
	Total by Primary Sponsor								406,859	902,481	10,376
006938 Target, Corporation	006938 Target, Corporation	6933322	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	11/01/15	06/30/18	0	1,757,711	250,000
		6933369	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	11/01/15	10/31/17	0	1,304,400	(0)

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		6935530	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	11/01/15	06/30/18	0	375,681	0
		6935705	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	01/01/17	06/30/18	0	268,930	0
		6938764	C	P039010	AGREEMENT DATED MAY 31, 2018	Raskar /Ramesh	06/01/18	05/31/21	62,039	150,000	67,344
		6939394	C	P065005	SRA DTD. 09/04/2018	Sarma /Sanjay E	09/01/18	08/31/19	68,316	300,000	4,675
		6940144	C	P121012	AGMT. DTD 1/15/19	Levi /Retsef	09/01/18	08/31/21	60,936	208,974	129,849
		Total by Primary Sponsor							191,290	4,365,697	451,868
006946 Embraer-Empresa Brasileira de Aeronautica S.A.	006946 Embraer-Empresa Brasileira de	6941236	C	P061094	AGMT. DTD 9/11/19	Barrett /Steven R. H.	05/01/19	04/30/21	176,363	348,977	172,615
		Total by Primary Sponsor							176,363	348,977	172,615
007000 Anne E. Casey Foundation	007000 Anne E. Casey Foundation	6942053	C	P091020	GRANT# 219.2558	Finkelstein /Amy	08/01/19	12/31/20	15,692	200,000	184,308
		Total by Primary Sponsor							15,692	200,000	184,308
007001 Portuguese Science and Technology Foundation	007001 Portuguese Science and Technology Foundation	6914303	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	07/15/06	06/30/19	(1,699)	2,922,227	2,921,469
		6914304	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	07/15/06	01/31/12	0	112,212	(0)
		6914305	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	07/15/06	08/31/08	0	17,058	(0)
		6914306	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	07/15/06	08/31/08	0	3,518	0
		6914308	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	07/15/06	08/31/08	0	1,134	0
		6914530	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	07/15/06	08/31/08	0	386,441	(0)
		6914531	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	07/15/06	08/31/08	0	351,520	(0)
		6914532	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	07/15/06	08/31/08	0	763,257	0

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		6914533	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	07/15/06	08/31/08	0	356,702	(0)
		6914534	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	07/15/06	08/31/08	0	136,417	0
		6914535	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	07/15/06	08/31/08	0	495,733	0
		6915372	C	P060500	AGMT EFFECTIVE 7/15/06	Hansman /Robert J	01/01/07	01/16/08	0	51,682	0
		6915373	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	06/01/07	08/31/08	0	85,602	0
		6915374	C	P060500	AGMT EFFECTIVE 7/15/06	Parsons /John E	07/15/06	08/31/08	0	92,446	(0)
		6915878	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/07	08/31/09	0	606,414	(0)
		6915879	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	09/01/07	12/31/09	0	327,284	(0)
		6915880	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/07	08/31/09	0	407,473	0
		6915881	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/07	08/31/09	0	729,967	(0)
		6915883	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/07	08/31/09	0	10,512	(0)
		6915884	C	P060500	AGMT EFFECTIVE 7/15/06	Parsons /John E	09/01/07	03/31/09	0	206,247	(0)
		6915885	C	P060500	AGMT EFFECTIVE 7/15/06	Hansman /Robert J	09/01/07	03/31/09	0	54,527	0
		6915949	C	P060500	AGMT EFFECTIVE 7/15/06	Rhodes /Donna H	09/01/07	03/31/09	0	111,066	(0)
		6915950	C	P060500	AGMT EFFECTIVE 7/15/06	Sheffi /Yosef	09/01/07	03/31/09	0	104,514	0
		6915961	C	P060500	AGMT EFFECTIVE 7/15/06	Mitter /Sanjoy K	09/01/07	03/31/09	0	62,477	(0)
		6915967	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	09/01/07	03/31/09	0	174,000	(0)
		6916576	C	P060500	AGMT EFFECTIVE 7/15/06	Veneziano /Daniele	09/01/07	03/31/09	0	99,974	(0)

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		6916577	C	P060500	AGMT EFFECTIVE 7/15/06	Einstein /Herbert H	09/01/07	03/31/09	0	100,368	0
		6916578	C	P060500	AGMT EFFECTIVE 7/15/06	Ben-Akiva /Moshe E	09/01/07	03/31/09	0	225,927	0
		6916579	C	P060500	AGMT EFFECTIVE 7/15/06	Barnhart /Cynthia	09/01/07	08/31/09	0	161,026	0
		6916664	C	P060500	AGMT EFFECTIVE 7/15/06	Magnanti /Thomas L	09/01/07	03/31/09	0	45,641	0
		6916835	C	P060500	AGMT EFFECTIVE 7/15/06	Kirtley /James L	09/01/07	03/31/09	0	32,021	(0)
		6916836	C	P060500	AGMT EFFECTIVE 7/15/06	Triantafyllou /Michael S	09/01/07	08/31/09	0	39,090	(0)
		6916837	C	P060500	AGMT EFFECTIVE 7/15/06	Mei /Chiang Chung	09/01/07	03/31/09	0	65,273	0
		6916838	C	P060500	AGMT EFFECTIVE 7/15/06	Heywood /John B	09/01/07	03/31/09	0	99,181	0
		6916880	C	P060500	AGMT EFFECTIVE 7/15/06	Wang /Daniel I. C.	09/01/07	08/31/09	0	147,147	(0)
		6916881	C	P060500	AGMT EFFECTIVE 7/15/06	Wang /Daniel I. C.	07/15/06	08/31/08	0	68,600	0
		6917007	C	P060500	AGMT EFFECTIVE 7/15/06	Ratti /Carlo	09/01/07	08/31/09	0	253,396	(0)
		6917026	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	09/01/07	03/31/09	0	39,611	0
		6917044	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/07	08/31/08	0	112,750	0
		6917310	C	P060500	AGMT EFFECTIVE 7/15/06	Mitchell /William J	09/01/07	08/31/09	0	69,918	(0)
		6917833	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/08	12/31/09	0	719,279	0
		6917834	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	09/01/08	08/31/10	0	763,163	(0)
		6917835	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/08	08/31/10	0	367,211	0
		6917836	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/08	08/31/10	0	624,107	0

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		6917837	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/08	08/31/10	0	15,843	0
		6917839	C	P060500	AGMT EFFECTIVE 7/15/06	Sheffi /Yosef	09/01/08	10/31/09	0	102,974	0
		6917840	C	P060500	AGMT EFFECTIVE 7/15/06	Mitter /Sanjoy K	09/01/08	10/31/09	0	152,316	0
		6918696	C	P060500	AGMT EFFECTIVE 7/15/06	Heywood /John B	09/01/08	05/31/10	0	75,623	0
		6918697	C	P060500	AGMT EFFECTIVE 7/15/06	Magnanti /Thomas L	09/01/08	08/31/09	0	62,936	0
		6918698	C	P060500	AGMT EFFECTIVE 7/15/06	Rhodes /Donna H	09/01/08	10/31/09	0	116,544	(0)
		6918699	C	P060500	AGMT EFFECTIVE 7/15/06	Finkelstein /Stan Neil	09/01/08	08/31/10	0	95,880	0
		6919022	C	P060500	AGMT EFFECTIVE 7/15/06	Barnhart /Cynthia	09/01/08	08/31/10	0	114,587	(0)
		6919023	C	P060500	AGMT EFFECTIVE 7/15/06	Ben-Akiva /Moshe E	09/01/08	12/31/09	0	298,194	0
		6919024	C	P060500	AGMT EFFECTIVE 7/15/06	Einstein /Herbert H	09/01/08	12/31/09	0	93,942	(0)
		6919025	C	P060500	AGMT EFFECTIVE 7/15/06	Ferreira /Joseph	09/01/08	08/31/10	0	204,889	0
		6919026	C	P060500	AGMT EFFECTIVE 7/15/06	Mitchell /William J	09/01/08	12/31/09	0	51,136	0
		6919027	C	P060500	AGMT EFFECTIVE 7/15/06	Ratti /Carlo	09/01/08	12/31/09	0	154,773	0
		6919028	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	09/01/08	08/31/10	0	166,807	(0)
		6919029	C	P060500	AGMT EFFECTIVE 7/15/06	Veneziano /Daniele	09/01/08	08/31/10	0	68,096	0
		6919030	C	P060500	AGMT EFFECTIVE 7/15/06	Wang /Daniel I. C.	09/01/08	12/31/09	0	103,052	0
		6919185	C	P060500	AGMT EFFECTIVE 7/15/06	Mei /Chiang Chung	09/01/08	08/31/09	0	50,292	(0)
		6919186	C	P060500	AGMT EFFECTIVE 7/15/06	Parsons /John E	09/01/08	08/31/09	0	220,184	0

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		6919447	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	09/01/08	12/31/09	0	78,774	(0)
		6919448	C	P060500	AGMT EFFECTIVE 7/15/06	Glicksman /Leon R	09/01/08	12/31/09	0	32,317	(0)
		6919449	C	P060500	AGMT EFFECTIVE 7/15/06	Kirtley /James L	09/01/08	08/31/09	0	15,255	(0)
		6919450	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	09/01/08	12/31/09	0	26,629	(0)
		6920172	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/09	08/31/10	0	741,848	(0)
		6920174	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	09/01/09	08/31/11	0	774,207	(0)
		6920176	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/09	08/31/10	0	140,296	(0)
		6920178	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/09	08/12/12	0	348,953	0
		6920180	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/09	08/12/12	0	3,485	0
		6920795	C	P060500	AGMT EFFECTIVE 7/15/06	Rhodes /Donna H	09/01/09	08/31/10	0	120,568	0
		6921037	C	P060500	AGMT EFFECTIVE 7/15/06	Barnhart /Cynthia	09/01/09	08/31/10	0	148,810	(0)
		6921038	C	P060500	AGMT EFFECTIVE 7/15/06	Ben-Akiva /Moshe E	09/01/09	08/31/10	0	178,756	(0)
		6921039	C	P060500	AGMT EFFECTIVE 7/15/06	Einstein /Herbert H	09/01/09	08/31/11	0	90,065	0
		6921040	C	P060500	AGMT EFFECTIVE 7/15/06	Ferreira /Joseph	09/01/09	08/31/11	0	104,512	(0)
		6921041	C	P060500	AGMT EFFECTIVE 7/15/06	Medard /Muriel	09/01/09	08/31/10	0	102,378	(0)
		6921042	C	P060500	AGMT EFFECTIVE 7/15/06	Mitchell /William J	09/01/09	08/31/11	0	71,024	0
		6921043	C	P060500	AGMT EFFECTIVE 7/15/06	Ratti /Carlo	09/01/09	08/31/10	0	102,804	(0)
		6921044	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	09/01/09	08/31/11	0	150,043	0

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		6921045	C	P060500	AGMT EFFECTIVE 7/15/06	Veneziano /Daniele	09/01/09	08/31/11	0	85,167	0
		6921972	C	P060500	AGMT EFFECTIVE 7/15/06	Cooney /Charles L	09/01/09	12/31/11	0	0	0
		6922371	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	06/01/10	08/12/12	0	129,494	0
		6922372	C	P060500	AGMT EFFECTIVE 7/15/06	Kirchain /Randolph E	06/01/10	01/31/12	0	124,961	0
		6922373	C	P060500	AGMT EFFECTIVE 7/15/06	Kirchain /Randolph E	06/01/10	01/31/12	0	127,888	0
		6922374	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	06/01/10	01/31/12	0	124,956	0
		6922375	C	P060500	AGMT EFFECTIVE 7/15/06	de Neufville /Richard L	06/01/10	05/31/12	0	125,060	(0)
		6922376	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	06/01/10	04/30/12	0	116,077	0
		6922379	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	09/01/10	08/31/11	0	7,328	0
		6922380	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/10	08/31/11	0	0	0
		6922381	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/10	08/31/12	0	3,395	(0)
		6922382	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/10	08/31/12	0	0	0
		6922383	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/10	08/12/12	0	6,303	0
		6922633	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/10	08/31/11	0	509,478	0
		6922634	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	09/01/10	08/31/11	0	743,477	0
		6922635	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/10	08/31/12	0	753,119	(0)
		6922636	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/10	08/31/12	0	16,979	0
		6922774	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/10	05/31/12	0	106,359	0

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		6922775	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	09/01/10	04/30/12	0	125,912	0
		6922894	C	P060500	AGMT EFFECTIVE 7/15/06	Finkelstein /Stan Neil	09/01/10	08/31/12	0	67,553	(0)
		6922895	C	P060500	AGMT EFFECTIVE 7/15/06	Rhodes /Donna H	09/01/10	08/31/11	0	76,269	0
		6922896	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	09/01/10	08/31/12	0	136,531	0
		6922901	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/10	08/31/12	0	361,462	0
		6922902	C	P060500	AGMT EFFECTIVE 7/15/06	Barnhart /Cynthia	09/01/10	12/31/11	0	105,778	0
		6922903	C	P060500	AGMT EFFECTIVE 7/15/06	Ben-Akiva /Moshe E	09/01/10	12/31/11	0	99,684	0
		6922904	C	P060500	AGMT EFFECTIVE 7/15/06	Ferreira /Joseph	09/01/10	12/31/11	0	84,451	0
		6922905	C	P060500	AGMT EFFECTIVE 7/15/06	Gonzalez /Marta C.	09/01/10	12/31/11	0	90,901	(0)
		6922906	C	P060500	AGMT EFFECTIVE 7/15/06	Leveson /Nancy G	09/01/10	08/31/13	0	100,829	0
		6922907	C	P060500	AGMT EFFECTIVE 7/15/06	Medard /Muriel	09/01/10	08/31/13	0	100,000	0
		6922908	C	P060500	AGMT EFFECTIVE 7/15/06	Ratti /Carlo	09/01/10	08/31/13	0	46,285	(0)
		6922909	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	09/01/10	12/31/11	0	72,591	0
		6924325	C	P060500	AGMT EFFECTIVE 7/15/06	Silbey /Susan S	06/01/11	08/31/11	0	15,227	0
		6924673	C	P060500	AGMT EFFECTIVE 7/15/06	de Neufville /Richard L	09/01/11	08/31/13	0	125,113	(0)
		6924674	C	P060500	AGMT EFFECTIVE 7/15/06	Kirchain /Randolph E	09/01/11	08/31/13	0	126,181	(0)
		6924675	C	P060500	AGMT EFFECTIVE 7/15/06	Kirchain /Randolph E	09/01/11	08/31/13	0	130,752	(0)
		6924676	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	09/01/11	08/31/13	0	132,642	(0)

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		6924677	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	09/01/11	08/31/13	0	132,767	0
		6924678	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	09/01/11	08/31/13	0	83,294	(0)
		6924679	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/11	08/31/13	0	116,218	(0)
		6924680	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	09/01/11	08/31/13	0	123,985	0
		6924681	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	09/01/11	08/31/13	0	138,306	(0)
		6924684	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/11	08/31/13	0	176,835	0
		6924685	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	09/01/11	08/31/13	0	265,480	0
		6924686	C	P060500	AGMT EFFECTIVE 7/15/06	Armstrong /Robert C	09/01/11	08/31/13	0	475,793	(0)
		6924687	C	P060500	AGMT EFFECTIVE 7/15/06	Hansman /Robert J	09/01/11	08/31/13	0	110,903	0
		6927056	C	P060500	AGMT EFFECTIVE 7/15/06	Wardle /Brian L	09/01/12	03/31/14	0	50,001	(0)
		6928102	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	01/01/13	12/31/14	0	69,972	(0)
		6928103	C	P060500	AGMT EFFECTIVE 7/15/06	Heywood /John B	01/01/13	06/30/15	0	145,019	0
		6928104	C	P060500	AGMT EFFECTIVE 7/15/06	Einstein /Herbert H	01/01/13	05/31/15	0	102,608	0
		6928105	C	P060500	AGMT EFFECTIVE 7/15/06	Finkelstein /Stan Neil	01/01/13	12/31/14	0	68,056	(0)
		6928106	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	01/01/13	05/31/15	0	71,874	0
		6928394	C	P060500	AGMT EFFECTIVE 7/15/06	Hammond /Paula T	01/01/13	06/30/15	0	90,984	(0)
		6928395	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	01/01/13	06/30/15	0	50,167	0
		6928464	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/13	06/30/19	0	628,940	0

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		6928482	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/13	06/30/19	0	0	0
		6929002	C	P060500	AGMT EFFECTIVE 7/15/06	Olivetti /Elsa A	01/01/14	12/31/15	0	74,778	0
		6929003	C	P060500	AGMT EFFECTIVE 7/15/06	Gonzalez /Marta C.	01/01/14	03/31/16	0	69,992	0
		6929004	C	P060500	AGMT EFFECTIVE 7/15/06	Trancik /Jessica	01/01/14	12/31/15	0	68,533	0
		6929005	C	P060500	AGMT EFFECTIVE 7/15/06	Osorio Pizano /Carolina	01/01/14	12/31/15	0	69,997	0
		6929007	C	P060500	AGMT EFFECTIVE 7/15/06	Reinhart /Christoph	09/01/14	06/30/18	0	1,184,884	(0)
		6929008	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	01/01/14	12/31/18	0	416,496	0
		6929009	C	P060500	AGMT EFFECTIVE 7/15/06	Wardle /Brian L	01/01/14	02/07/19	0	900,276	(0)
		6930110	C	P060500	AGMT EFFECTIVE 7/15/06	Swan /James W	01/01/14	12/31/15	0	75,388	0
		6930111	C	P060500	AGMT EFFECTIVE 7/15/06	Olsen /Bradley D.	01/01/14	01/31/16	0	25,448	0
		6930113	C	P060500	AGMT EFFECTIVE 7/15/06	Stirling /Leia A.	01/01/14	12/31/14	0	25,756	0
		6930114	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	01/01/14	12/31/14	0	26,804	0
		6930115	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	01/01/14	12/31/14	0	121,236	0
		6930116	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/14	12/31/14	0	26,748	0
		6931318	C	P060500	AGMT EFFECTIVE 7/15/06	Stirling /Leia A.	01/01/15	12/31/15	0	32,232	(0)
		6931319	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	01/01/15	12/31/15	0	61,958	(0)
		6931320	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/15	12/31/15	0	286,723	(0)
		6931321	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/15	12/31/15	0	86,856	0
		6931323	C	P060500	AGMT EFFECTIVE 7/15/06	Hammond /Paula T	01/01/15	06/30/15	0	15,377	(0)

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		6932064	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/13	06/30/19	0	0	0
		6932368	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/13	06/30/19	0	0	0
		6933302	C	P060500	AGMT EFFECTIVE 7/15/06	Olivetti /Elsa A	07/15/06	12/31/16	0	80,146	0
		6933303	C	P060500	AGMT EFFECTIVE 7/15/06	Olsen /Bradley D.	07/15/06	01/31/18	0	79,919	(0)
		6933304	C	P060500	AGMT EFFECTIVE 7/15/06	Osorio Pizano /Carolina	07/15/06	12/31/17	0	79,973	0
		6933305	C	P060500	AGMT EFFECTIVE 7/15/06	Swan /James W	07/15/06	12/31/16	0	78,436	(0)
		6933306	C	P060500	AGMT EFFECTIVE 7/15/06	Trancik /Jessika	07/15/06	12/31/16	0	79,899	0
		6933315	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	07/15/06	12/31/16	0	34,710	0
		6933318	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	07/15/06	12/31/16	0	58,388	(0)
		6933319	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	07/15/06	12/31/16	0	87,112	(0)
		6933343	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/14	12/31/18	0	482,435	0
		6935384	C	P060500	AGMT EFFECTIVE 7/15/06	Leonard /John J	07/15/06	12/31/17	0	84,043	(0)
		6935385	C	P060500	AGMT EFFECTIVE 7/15/06	McKinley /Gareth H	07/15/06	06/30/18	0	85,074	(0)
		6935386	C	P060500	AGMT EFFECTIVE 7/15/06	Olivetti /Elsa A	07/15/06	08/31/18	0	84,975	(0)
		6935387	C	P060500	AGMT EFFECTIVE 7/15/06	Osorio Pizano /Carolina	07/15/06	08/31/18	0	84,985	0
		6935388	C	P060500	AGMT EFFECTIVE 7/15/06	Swan /James W	07/15/06	02/28/18	0	36,078	(0)
		6935389	C	P060500	AGMT EFFECTIVE 7/15/06	Heald /Colette L.	07/15/06	05/31/18	0	84,946	0
		6935390	C	P060500	AGMT EFFECTIVE 7/15/06	Miller /David W	07/15/06	12/31/17	0	79,342	0

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		6935391	C	P060500	AGMT EFFECTIVE 7/15/06	Trancik /Jessica	07/15/06	08/31/18	0	84,998	(0)
		6935394	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	07/15/06	01/15/18	0	97,070	(0)
		6935395	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	07/15/06	12/31/17	0	61,740	(0)
		6935396	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	07/15/06	12/31/17	0	188,517	0
		6935862	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	07/15/06	08/31/18	0	84,978	(0)
		6937798	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/16/18	06/30/19	0	0	0
		6937800	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/18	06/30/19	0	0	0
		6937801	C	P060500	AGMT EFFECTIVE 7/15/06	Hart /Anastasios John	01/16/18	01/31/19	0	119,670	(0)
		6937802	C	P060500	AGMT EFFECTIVE 7/15/06	Mueller /Stefanie	01/16/18	01/15/19	0	124,187	(0)
		6937803	C	P060500	AGMT EFFECTIVE 7/15/06	Hart /Douglas	01/16/18	01/31/19	0	12,416	(0)
		6937804	C	P060500	AGMT EFFECTIVE 7/15/06	Heald /Colette L.	01/16/18	01/31/19	0	74,723	(0)
		6937805	C	P060500	AGMT EFFECTIVE 7/15/06	Karaman /Sertac	01/16/18	01/31/19	0	72,843	(0)
		6937806	C	P060500	AGMT EFFECTIVE 7/15/06	Leonard /John J	01/16/18	01/31/19	0	85,021	(0)
		6937807	C	P060500	AGMT EFFECTIVE 7/15/06	Lu /Timothy K	01/16/18	01/31/19	0	56,939	0
		6937808	C	P060500	AGMT EFFECTIVE 7/15/06	McKinley /Gareth H	01/16/18	01/31/19	0	57,996	0
		6937809	C	P060500	AGMT EFFECTIVE 7/15/06	Miller /David W	01/16/18	01/31/19	0	73,801	(0)
		6937810	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	01/16/18	01/31/19	0	244,424	(0)
		6937811	C	P060500	AGMT EFFECTIVE 7/15/06	Olivetti /Elsa A	01/16/18	01/31/19	0	85,000	0
		6937812	C	P060500	AGMT EFFECTIVE 7/15/06	Olsen /Bradley D.	01/16/18	01/31/19	581	58,419	0

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		6937813	C	P060500	AGMT EFFECTIVE 7/15/06	Osorio Pizano /Carolina	01/16/18	01/31/19	0	85,015	(0)
		6937814	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	01/16/18	01/15/19	0	100,535	0
		6937815	C	P060500	AGMT EFFECTIVE 7/15/06	Ross /Caroline A	01/16/18	01/15/19	0	85,081	0
		6937816	C	P060500	AGMT EFFECTIVE 7/15/06	Swan /James W	01/16/18	01/31/19	0	15,050	0
		6937817	C	P060500	AGMT EFFECTIVE 7/15/06	Trancik /Jessica	01/16/18	01/31/19	0	85,000	(0)
		6937821	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	01/01/18	03/31/19	0	115,624	0
		6937822	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	01/01/18	03/31/19	0	151,781	0
		6937823	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/18	03/31/19	0	151,930	0
		6938801	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	12/31/23	0	13,350,000	13,350,000
		6939144	C	P060500	AGMT UA-2018-272	Miller /David W	01/16/18	08/31/19	0	11,192	0
		6939482	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	10/31/19	0	85,927	0
		6939484	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	12/31/18	0	0	0
		6939793	C	P061099	AGMT EFFECTIVE 6/1/18	Hansman /Robert J	11/01/18	03/16/20	50,011	77,000	456
		6939919	C	P060500	AGMT EFFECTIVE 7/15/06	Hart /Anastasios John	11/13/18	01/31/19	0	5,824	0
		6939967	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	09/01/20	0	1,852,500	1,852,500
		6939981	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	09/01/20	0	0	0
		6939989	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	12/31/19	0	0	0
		6939990	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	12/31/19	206,916	400,000	46,353

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		6940540	C	P061099	AGMT EFFECTIVE 6/1/18	Paradiso /Joseph A	03/15/19	09/01/20	19,891	90,000	70,109
		6940541	C	P061099	AGMT EFFECTIVE 6/1/18	Trancik /Jessika	03/15/19	06/01/20	82,694	90,000	(1)
		6940542	C	P061099	AGMT EFFECTIVE 6/1/18	Sclavounos /Paul D	03/15/19	03/16/20	84,933	90,000	(22)
		6940543	C	P061099	AGMT EFFECTIVE 6/1/18	Reynolds /Elisabeth Beck	03/15/19	09/01/20	54,656	90,000	35,344
		6940544	C	P061099	AGMT EFFECTIVE 6/1/18	Olivetti /Elsa A	03/15/19	09/01/20	39,430	90,000	50,555
		6940545	C	P061099	AGMT EFFECTIVE 6/1/18	Mueller /Stefanie	03/15/19	03/16/20	61,137	90,000	(4,462)
		6940546	C	P061099	AGMT EFFECTIVE 6/1/18	Botterud /Audun	03/15/19	09/01/20	58,627	90,000	31,373
		6940547	C	P061099	AGMT EFFECTIVE 6/1/18	de Weck /Olivier L	03/15/19	09/01/20	65,882	84,992	94
		6940548	C	P061099	AGMT EFFECTIVE 6/1/18	Entekhabi /Dara	03/15/19	03/16/20	64,918	90,000	4
		6940549	C	P061090	AGMT EFFECTIVE 6/1/18	Masterson /Rebecca A	03/15/19	09/15/21	78,945	90,000	158
		6940550	C	P061099	AGMT EFFECTIVE 6/1/18	Hart /Douglas	03/15/19	09/01/20	51,888	90,000	38,112
		6940551	C	P061099	AGMT EFFECTIVE 6/1/18	Boyle /Edward A	03/15/19	03/16/20	85,543	90,000	(113)
		6940585	C	P061099	AGMT EFFECTIVE 6/1/18	Reinhart /Christoph	04/01/19	04/01/21	100,013	180,000	79,987
		6940586	C	P061099	AGMT EFFECTIVE 6/1/18	Hart /Anastasios John	04/01/19	04/01/21	74,701	180,000	105,299
		6941137	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/28/19	12/31/24	0	137,073	137,073
		6941310	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	07/15/06	08/31/08	0	23,491	(0)
		6941334	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	08/01/19	12/31/23	0	367,500	367,500
		6942242	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/20	12/31/20	0	0	0

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		6942266	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/20	12/31/20	162,999	400,000	237,001
		6942393	C	P061099	AGMT EFFECTIVE 6/1/18	de Weck /Olivier L	01/01/20	09/01/20	2,411	5,008	2,597
		6942409	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/20	12/31/20	0	0	0
		6942736	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	03/01/20	03/01/23	0	2,500	2,500
		6942768	C	P061901	AGMT EFFECTIVE 6/1/18	Edelman /Elazer R	03/01/20	03/01/23	0	330,000	330,000
		6942769	C	P069400	AGMT EFFECTIVE 6/1/18	Rhodes /Donna H	03/01/20	03/01/23	0	900,000	900,000
		6942770	C	P267200	AGMT EFFECTIVE 6/1/18	Medard /Muriel	03/01/20	03/01/23	49,953	800,000	750,047
		6942782	C	P031000	AGMT EFFECTIVE 6/1/18	Reinhart /Christoph	03/01/20	03/01/23	1,566	450,000	448,434
		6942783	C	P068100	AGMT EFFECTIVE 6/1/18	Trancik /Jessika	03/01/20	03/01/23	145,514	450,000	304,486
		6942917	C	P061093	AGMT EFFECTIVE 6/1/18	de Weck /Olivier L	03/01/20	03/01/21	21,887	50,000	28,113
		6943261	C	P153000	AGMT EFFECTIVE 6/1/18	Boyle /Edward A	09/01/20	08/31/21	0	90,000	90,000
		6943262	C	P069500	AGMT EFFECTIVE 6/1/18	Coughlin /Joseph F	09/01/20	08/31/21	0	90,000	90,000
		6943263	C	P061093	AGMT EFFECTIVE 6/1/18	Hansman /Robert J	06/01/20	08/31/21	3,023	90,000	86,977
		6943264	C	P065004	AGMT EFFECTIVE 6/1/18	Hart /Douglas	06/01/20	08/31/21	0	90,000	90,000
		6943265	C	P065004	AGMT EFFECTIVE 6/1/18	Hart /Anastasios John	06/01/20	08/31/21	0	90,000	90,000
		6943266	C	P061093	AGMT EFFECTIVE 6/1/18	Hastings /Daniel E	06/01/20	08/31/21	0	90,000	90,000
		6943267	C	P068700	AGMT EFFECTIVE 6/1/18	Ilic /Marija	06/01/20	08/31/21	0	90,000	90,000
		6943268	C	P067952	AGMT EFFECTIVE 6/1/18	Leonard /John J	09/01/20	08/31/21	0	90,000	90,000

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		6943269	C	P065005	AGMT EFFECTIVE 6/1/18	Lermusiaux /Pierre	09/01/20	08/31/21	0	90,000	90,000
		6943270	C	P061096	AGMT EFFECTIVE 6/1/18	Linares /Richard	06/01/20	08/31/21	0	90,000	90,000
		6943271	C	P067962	AGMT EFFECTIVE 6/1/18	Mueller /Stefanie	06/01/20	08/31/21	0	90,000	90,000
		6943272	C	P061093	AGMT EFFECTIVE 6/1/18	Peraire /Jaime	06/01/20	08/31/21	4,798	90,000	85,202
		6943273	C	P267200	AGMT EFFECTIVE 6/1/18	Shao-Horn /Yang	06/01/20	08/31/21	3,902	90,000	86,098
		6943274	C	P068100	AGMT EFFECTIVE 6/1/18	Trancik /Jessica	06/01/20	08/31/21	0	90,000	90,000
		6943275	C	P035000	AGMT EFFECTIVE 6/1/18	Zheng /Siqi	06/01/20	08/31/21	0	90,000	90,000
		Total by Primary Sponsor								1,575,122	55,888,015
007007 Shire Human Genetic Therapies, Inc.	007007 Shire Human Genetic Therapies, Inc.	6915170	C	P402010	AGMT. DTD. 3/15/07	Langer /Robert S	03/15/07	01/01/20	0	969,863	(0)
		6926414	C	P402010	AGMT. DTD. 3/15/07	Anderson /Daniel Griffith	08/10/12	06/01/13	0	235,709	(0)
	Total by Primary Sponsor								0	1,205,572	(0)
007009 Delta Environmental & Educational Foundation	007009 Delta Environmental & Educational Foundation	6933067	C	P067952	AGMNT DTD 12/1/15	Devadas /Srinivas	12/01/15	06/30/19	3,910	802,910	0
		6935775	C	P154000	AGMNT DTD 12/1/15	Etingof /Pavel I	12/01/15	06/30/19	950	88,221	(0)
	Total by Primary Sponsor								4,860	891,131	0
007016 BP Technology Ventures Inc.	007016 BP Technology Ventures Inc.	6922464	C	P320000	RES. AGMT. EFF. 9/1/06	Roman /Yuriy	09/01/10	12/31/12	0	199,522	(0)
		6922659	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Armstrong /Robert C	09/01/10	08/31/17	0	100,148	300,148
		6922660	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Dinca /Mircea	09/01/10	08/31/12	0	200,000	0
		6922661	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Strano /Michael S.	09/01/10	08/31/12	0	199,884	0

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		6922757	C	P320000	RES. AGMT. EFF. 9/1/06	Roman /Yuriy	01/01/11	01/31/13	0	338,261	0
		6923285	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Barton /Paul I	03/01/11	08/31/13	0	169,991	0
		6924822	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	09/01/11	08/31/13	0	200,000	(0)
		6924847	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Grossman /Jeffrey C.	09/01/11	08/31/13	0	200,000	0
		6924979	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Stocker /Roman	09/01/11	08/31/14	0	199,997	0
		6926670	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Roman /Yuriy	09/01/12	08/31/16	0	7,973	0
		6926844	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Van Vliet /Krystyn J	09/01/12	08/31/14	0	199,984	0
		6928067	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Roman /Yuriy	03/01/12	08/31/16	0	17,395	0
		6928218	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Strano /Michael S.	01/01/13	12/31/14	0	100,000	0
		6929059	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Varanasi /Kripa	01/01/14	12/31/15	0	199,987	(0)
		6929125	C	P320000	BP MITEI FOUNDING MEM	Ghoniem /Ahmed F	10/01/13	09/30/15	0	200,000	0
		6930078	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	09/01/14	08/31/17	0	300,000	(0)
		6930939	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Ghoniem /Ahmed F	09/01/14	08/31/15	0	60,000	(0)
		6933397	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	12/31/15	12/31/17	0	100,000	0
		6940571	C	P320000	AGMT. DTD. 04/15/2019	Ghoniem /Ahmed F	04/15/19	04/15/21	121,282	118,413	217,130
		6942062	C	P320000	RES. AGMT. EFF. 11/27/2019	Braatz /Richard D	07/01/19	06/30/21	71,173	100,048	28,875
		6942286	C	P320000	AGMT. DTD. 04/15/2019	Ghoniem /Ahmed F	12/01/19	04/15/21	30,657	45,000	14,343
		Total by Primary Sponsor							223,112	3,256,604	560,497
007031 David and Lucile Packard Foundation	007031 David and Lucile Packard Foundation	6939688	C	P068000	GRANT 2018-67918	Buongiorno /Jacopo	09/01/18	10/01/19	64,658	120,000	0

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	Total by Primary Sponsor								64,658	120,000	0
007055 The Hartford Fire Insurance Company	007055 The Hartford Fire Insurance Company	6917779	C	P069501	AGMT. DTD. 2/9/07	Coughlin /Joseph F	02/09/07	09/30/22	329,674	5,292,394	1,735,257
	Total by Primary Sponsor								329,674	5,292,394	1,735,257
007097 Toyota Motor Engineering & Manufacturing North America, Inc	007097 Toyota Motor Engineering & Manufacturing North America, Inc.	6936004	C	P069501	AGREEMENT EFFECTIVE APRIL 1, 2017	Coughlin /Joseph F	04/01/17	03/30/20	490,993	1,562,937	(0)
		6939133	C	P069501	AGREEMENT DTD 5/1/18	Coughlin /Joseph F	05/01/18	01/31/19	(2,108)	300,000	0
	Total by Primary Sponsor								488,884	1,862,937	(0)
007110 Portland Cement Association	007110 Portland Cement Association	6920804	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/19	76,243	2,500,000	1
		6920808	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	02/28/12	0	750,000	0
		6921166	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/14	0	1,875,000	0
		6924983	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/11	08/31/14	0	1,125,000	(0)
		6930773	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/24	796,669	2,500,022	267,868
		6930776	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	13,048	2,220,787	(0)
	Total by Primary Sponsor								885,959	10,970,810	267,868
007115 Naval Postgraduate School	007115 Naval Postgraduate School	6939389	C	P069400	HQ00341810013	Rhodes /Donna H	09/10/18	07/31/19	10,763	119,985	0
		6941298	C	P069400	HQ00341910002	Rhodes /Donna H	07/22/19	08/31/21	26,640	119,997	93,356
	Total by Primary Sponsor								37,403	239,982	93,356
007135 IEEE	007135 IEEE	6937795	C	P068000	PO #122394	Lanza /Richard C	07/01/18	08/31/20	6,919	68,425	8,672
	Total by Primary Sponsor								6,919	68,425	8,672

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007139 Aarhus University	007139 Aarhus University	6933728	C	P065004	AGMT DATED DEC 31, 2015	Anthony /Brian	04/01/16	12/31/17	0	33,000	198
	Total by Primary Sponsor								0	33,000	198
007158 Netherlands Organization for Scientific Research	102242 Wageningen University	6937662	C	P097500	FILE NO. 15814	Oye /Kenneth A	12/01/17	12/31/20	36,886	120,908	84,022
	Total by Primary Sponsor								36,886	120,908	84,022
007197 Railway Technical Research Institute	007197 Railway Technical Research Institute	6940851	C	P243020	AGMT. DTD. 6/3/19	Takayasu /Makoto	06/03/19	03/16/20	22,622	22,700	78
	Total by Primary Sponsor								22,622	22,700	78
007199 KAUST Global Research Partnership	007199 KAUST Global Research Partnership	6933239	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/19	0	15,250	15,250
		6933240	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/16	0	62,381	0
		6933241	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	09/10/15	06/30/16	0	38,752	(0)
		6934523	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/17	0	136,118	(0)
		6935233	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/16	12/31/16	0	44,346	0
		6935234	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	01/01/17	06/30/17	0	55,231	0
		6936425	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/18	0	134,620	(0)
		6936494	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/17	06/30/18	0	111,658	0
		6938235	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/18	06/30/19	(22,260)	81,728	0
		6938662	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/19	0	114,164	0
		6941078	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	07/01/19	06/30/20	58,875	80,000	21,125
		6942588	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/19	06/30/20	83,758	94,866	11,108

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		6943276	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	07/01/20	12/31/20	0	40,000	40,000
	Total by Primary Sponsor								120,373	1,009,113	87,482
007207 Douglas B. Marshall Jr. Family Foundation	007207 Douglas B. Marshall Jr. Family Foundation	6926509	C	P091020	LTR. DTD. 05/15/13	Banerjee /Abhijit	07/01/13	06/30/19	0	200,221	(310,927)
		6929286	C	P091020	LTR. DTD. 05/15/13	Banerjee /Abhijit	07/01/13	06/30/19	(55,127)	1,299,447	292,813
		6940135	C	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	109,556	0	(271,408)
		6940847	C	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	190,852	693,653	502,801
		6940848	C	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	20,123	506,347	486,224
	Total by Primary Sponsor								265,404	2,699,668	699,503
007245 ABB, Inc.	007245 ABB, Inc.	6940717	C	P065005		Rodriguez Garcia /Alberto	02/01/19	12/31/19	50,748	75,000	0
	Total by Primary Sponsor								50,748	75,000	0
007248 The Glenn Foundation for Medical Research	007248 The Glenn Foundation for Medical Research	6935709	C	P151015	LETTER DATED 1/22/2017	Guarente /Leonard Pershing	01/22/17	01/21/20	0	64,663	59,328
		6935776	C	P151015	LETTER DATED 1/22/2017	Guarente /Leonard Pershing	01/22/17	04/21/20	285,200	1,100,000	137,988
		6935777	C	P151015	LETTER DATED 1/22/2017	Amon /Angelika B	01/22/17	01/21/20	163,048	935,337	0
		6935778	C	P151015	LETTER DATED 1/22/2017	Tsai /Li-Huei	01/22/17	01/21/20	122,075	900,000	(3,418)
	Total by Primary Sponsor								570,324	3,000,000	193,899
007275 Rockefeller Foundation	007275 Rockefeller Foundation	6941025	C	P320000	9644	Perez-Arriaga /Jose Ignacio	10/30/18	06/30/19	77,188	104,568	(0)
		6941026	C	P320000	9644	Perez-Arriaga /Jose Ignacio	01/28/19	06/30/19	11,974	11,974	0
	Total by Primary Sponsor								89,162	116,542	(0)

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007288 King Fahd University of Petroleum and Minerals	007288 King Fahd University of Petroleum and Minerals	6937929	C	P063007	CPG-17-0250	Juanes /Ruben	02/01/18	05/31/19	0	809,100	0
		6940298	C	P063007	CPG-17-0250	Juanes /Ruben	02/01/19	08/31/20	522,446	807,472	38,707
		6942500	C	P063007	CPG-17-0250	Juanes /Ruben	02/01/20	01/31/21	215,873	830,694	614,821
	Total by Primary Sponsor								738,320	2,447,266	653,528
007300 Russell Sage Foundation	007300 Russell Sage Foundation	6935951	C	P035000	85-17-05	Levy /Frank	03/01/17	06/30/20	4,597	7,350	711
		6940670	C	P091000	98-18-05	Salz /Tobias	01/01/19	12/31/20	34,418	34,400	(18)
		6942255	C	P121400	1905-15012	Wilmers /Nathan Eric	12/01/19	11/30/21	1,990	21,641	19,651
		6943441	C	P095500	1908-17912	Kim /In Song	07/01/20	06/30/22	0	21,970	21,970
	Total by Primary Sponsor								41,006	85,361	42,313
007343 The Simons Foundation	006875 Northeastern University	6941841	C	P154500	508494-78050	Sinha /Pawan	12/01/18	11/30/20	29,710	33,498	3,788
	007343 The Simons Foundation	6925173	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/22	115,353	1,336,723	599,235
		6925362	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/22	84,142	2,318,133	618,012
		6925363	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	08/31/14	0	32,788	0
		6925364	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	08/31/14	0	800,151	0
		6925366	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	02/28/18	0	0	0
		6925367	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	07/31/15	0	159,371	(0)
		6925368	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/22	126,063	600,000	185,554
		6925369	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	06/30/19	335	11,283	0

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		6925880	C	P154501	AGREEMENT DATED 11-21-11	Berger Leighton /Bonnie	07/01/12	12/31/13	0	120,000	(0)
		6925881	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	07/01/12	04/30/14	0	120,539	0
		6925935	C	P154501	AGREEMENT DATED 11-21-11	Silbey /Susan S	08/01/12	04/30/14	0	61,392	(0)
		6925936	C	P154501	AGREEMENT DATED 11-21-11	Graybiel /Ann M	07/01/12	06/30/13	0	116,859	0
		6926004	C	P154501	AGREEMENT DATED 11-21-11	Schulz /Laura E	06/01/12	05/31/14	0	63,261	(0)
		6926157	C	P154501	AGREEMENT DATED 11-21-11	Seung /H. Sebastian	07/01/12	06/30/14	0	48,568	0
		6926747	C	P154501	AGREEMENT DATED 11-21-11	Szolovits /Peter	11/01/12	06/30/14	0	106,419	0
		6926748	C	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	11/01/12	10/31/14	0	59,826	(0)
		6926749	C	P154501	AGREEMENT DATED 11-21-11	Constantine-Paton /Martha	11/01/12	10/31/14	0	120,000	0
		6926750	C	P154501	AGREEMENT DATED 11-21-11	Zhang /Feng	11/01/12	11/30/14	0	119,760	0
		6926754	C	P154501	AGREEMENT DATED 11-21-11	Littleton /J. Troy	11/01/12	10/31/13	0	120,000	(0)
		6926790	C	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	11/01/12	10/31/14	0	54,185	0
		6926840	C	P154501	AGREEMENT DATED 11-21-11	Gabrieli /John D. E.	11/01/12	10/31/14	0	6,847	0
		6927481	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	02/01/13	07/31/16	0	575,000	0
		6927482	C	P154501	AGREEMENT DATED 11-21-11	Feng /Guoping	02/01/13	01/31/16	0	598,835	0
		6927483	C	P154501	AGREEMENT DATED 11-21-11	Littleton /J. Troy	02/01/13	07/31/16	0	504,000	0
		6927730	C	P154501	AGREEMENT DATED 11-21-11	Kanwisher /Nancy	04/01/13	09/30/16	0	425,289	0
		6927744	C	P154501	AGREEMENT DATED 11-21-11	Poggio /Tomaso A	05/15/13	10/31/14	0	103,477	0
		6927745	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	06/01/13	11/30/15	0	200,955	0

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		6927746	C	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	02/01/13	03/31/14	0	59,582	0
		6927749	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/13	12/31/22	0	1,257,103	0
		6927750	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/13	12/31/16	0	533,367	0
		6927946	C	P154501	AGREEMENT DATED 11-21-11	Bear /Mark	05/01/13	04/30/14	0	120,000	(0)
		6928176	C	P153000	SCOL 290361	Summons /Roger E	05/01/13	04/30/18	0	0	0
		6928216	C	P153000	SCOL 290361	Summons /Roger E	05/01/13	04/30/14	0	185,854	0
		6928636	C	P154501	AGREEMENT DATED 11-21-11	Edelman /Alan	01/01/14	02/28/15	0	79,075	0
		6928896	C	P154501	AGREEMENT DATED 11-21-11	Tannenbaum /Steven R	11/01/13	11/30/14	0	108,000	(0)
		6928897	C	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	11/01/13	04/30/15	0	117,600	(0)
		6928900	C	P154501	AGREEMENT DATED 11-21-11	Choi /Bohyun Gloria	12/01/13	11/30/15	0	121,256	(0)
		6928994	C	P154501	AGREEMENT DATED 11-21-11	Wickersham /Ian R.	12/01/13	05/30/16	0	120,000	(0)
		6928995	C	P154501	AGREEMENT DATED 11-21-11	Boyden /Edward	11/01/13	10/31/14	0	12,000	0
		6929022	C	P154501	AGREEMENT DATED 11-21-11	Tsai /Li-Huei	11/01/13	10/31/14	0	120,000	0
		6929253	C	P154501	AGREEMENT DATED 11-21-11	Regev /Aviv	12/01/13	11/30/14	0	59,976	0
		6929370	C	P154501	AGREEMENT DATED 11-21-11	Whitfield-Gabrieli /Susan	12/01/13	11/30/15	0	13,614	0
		6929681	C	P154501	AGREEMENT DATED 11-21-11	Fee /Michale Sean	05/01/14	10/31/15	0	119,497	(0)
		6929682	C	P154501	AGREEMENT DATED 11-21-11	Van Vliet /Krystyn J	06/01/14	07/31/15	0	65,741	(0)
		6929806	C	P153000	SCOL 290361	Summons /Roger E	05/01/14	04/30/15	0	697,522	0

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		6930231	C	P153000	SCOL 327126	Bosak /Tanja	07/01/14	06/30/15	0	174,401	0
		6930377	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	07/01/14	12/31/16	0	195,151	0
		6930621	C	P154501	AGREEMENT DATED 11-21-11	Bear /Mark	09/01/14	06/30/16	0	263,821	0
		6930756	C	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/14	07/31/20	19	281,143	153
		6931133	C	P154501	AGREEMENT DATED 11-21-11	Blainey /Paul C	11/01/14	06/30/16	0	119,600	0
		6931160	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/16	0	17,551	(0)
		6931161	C	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	11/01/14	10/31/16	0	239,272	0
		6931442	C	P153000	SCOL 339603	Fournier /Gregory P.	04/01/15	03/31/16	0	105,788	(0)
		6931466	C	P154501	AGREEMENT DATED 11-21-11	Fedorenko /Evelina G	01/01/12	06/30/17	0	457,031	0
		6931527	C	P154501	AGREEMENT DATED 11-21-11	Gibson /Edward A	01/01/15	12/31/17	0	234,818	(0)
		6931582	C	P154501	AGREEMENT DATED 11-21-11	Schulz /Laura E	01/01/15	06/30/17	0	264,944	0
		6931802	C	P154501	AGREEMENT DATED 11-21-11	Robertson /Caroline	04/01/15	09/30/16	0	120,000	(0)
		6931810	C	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	05/01/15	10/31/16	0	70,026	0
		6931938	C	P153000	SCOL 290361	Summons /Roger E	05/01/13	04/30/16	0	226,829	(0)
		6932168	C	P154501	AWD DATE 06/01/2015	Feng /Guoping	06/01/15	08/31/17	0	237,706	0
		6932197	C	P153000	SCOL 327126	Bosak /Tanja	07/01/15	06/30/16	0	226,430	0
		6932522	C	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/15	07/31/16	0	271,983	0
		6933200	C	P154501	AGREEMENT DATED 11-21-11	Choi /Bohyun Gloria	12/01/15	11/30/16	0	89,628	0

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		6933201	C	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	12/01/15	11/30/16	0	103,967	0
		6933203	C	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	11/01/15	01/31/17	0	144,855	0
		6933398	C	P154501	AGREEMENT DATED 11-21-11	Lin /Yingxi	11/01/15	10/31/16	0	240,000	0
		6933411	C	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	01/01/16	06/30/17	0	38,608	(0)
		6933412	C	P154501	AGREEMENT DATED 11-21-11	Sapsis /Themistoklis Panagioti	10/01/15	05/31/17	0	40,410	0
		6933741	C	P063007	410104	Cordero Sanchez /Otto X.	04/01/16	03/31/20	42,053	538,769	0
		6933929	C	P154501	AGREEMENT DATED 11-21-11	White /Forest M	05/01/16	04/30/17	0	107,125	0
		6933930	C	P154501	AGREEMENT DATED 11-21-11	Tsai /Li-Huei	05/01/16	04/30/17	0	72,000	(0)
		6933931	C	P154501	AGREEMENT DATED 11-21-11	Strano /Michael S.	06/01/16	05/31/17	0	90,000	(0)
		6933932	C	P154501	AGREEMENT DATED 11-21-11	Brown /Emery Neal	06/01/16	02/28/18	0	90,000	(0)
		6933933	C	P154501	AGREEMENT DATED 11-21-11	Fedorenko /Evelina G	05/01/16	04/01/18	0	80,539	0
		6933934	C	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	05/01/16	08/31/17	0	27,024	0
		6933987	C	P153000	SCOL 339603	Fournier /Gregory P.	04/01/15	03/31/17	0	102,521	(0)
		6934008	C	P153000	SCOL 290361	Summons /Roger E	05/01/16	04/30/17	0	348,775	0
		6934047	C	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	05/01/16	04/30/18	0	90,168	0
		6934207	C	P153000	SCOL 327126	Bosak /Tanja	07/01/16	06/30/17	0	175,922	(0)
		6934584	C	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/16	07/31/17	0	385,089	(0)
		6934902	C	P400600	307913	Feng /Guoping	09/01/16	08/31/18	(211)	250,000	0

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		6935125	C	P154501	AGREEMENT DATED 11-21-11	Wilson /Matthew A	11/01/16	10/31/17	0	50,977	0
		6935126	C	P154501	AGREEMENT DATED 11-21-11	Feng /Guoping	11/01/16	10/31/17	0	59,998	0
		6935219	C	P063007	509034SC	Chisholm /Sallie W	10/01/16	09/30/17	0	51,610	(0)
		6935286	C	P154500	SFARI AWARD ID 308949	Sinha /Pawan	11/01/16	10/31/18	(144)	332,428	(0)
		6935304	C	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	12/01/16	01/31/19	0	106,208	0
		6935462	C	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/22	0	0	0
		6935469	C	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/22	197,215	592,435	(42,862)
		6935470	C	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/22	38,820	0	(153,672)
		6935471	C	P154502	AGREEMENT DATED 11/4/16	Wilson /Matthew A	01/01/17	10/31/19	144,174	669,023	0
		6935472	C	P154502	AGREEMENT DATED 11/4/16	Feng /Guoping	01/01/17	10/31/19	53,107	660,000	886
		6936120	C	P154502	AGREEMENT DATED 11/4/16	Fedorenko /Evelina G	01/01/17	03/31/18	0	251,024	(0)
		6936121	C	P154502	AGREEMENT DATED 11/4/16	Gibson /Edward A	01/01/17	06/30/18	0	187,602	0
		6936122	C	P154502	AGREEMENT DATED 11/4/16	Schulz /Laura E	01/01/17	03/31/18	0	122,283	0
		6936129	C	P153000	SCOL 339603	Fournier /Gregory P.	04/01/17	03/31/18	0	151,085	0
		6936293	C	P153000	543948	Summons /Roger E	05/01/17	04/30/19	(1,996)	122,908	0
		6936294	C	P153000	SCOL 290361	Summons /Roger E	05/01/17	04/30/18	0	404,859	1
		6936338	C	P158000	AWARD ID: 542385	Gore /Jeff	05/01/17	04/30/22	60,633	382,408	24,034
		6936342	C	P153000	SCOL 327126	Bosak /Tanja	07/01/17	06/30/18	0	92,355	(0)
		6936343	C	P153000	SCOL 339603	Fournier /Gregory P.	04/01/18	03/31/19	0	154,998	(0)

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		6936364	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/17	04/30/20	0	290,292	0
		6936433	C	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/17	07/31/18	(1,518)	451,301	0
		6936673	C	P400600	542965	DiCarlo /James	07/01/17	06/30/20	0	0	0
		6936803	C	P400600	542993SPI	Jazayeri /Mehrdad	07/01/17	06/30/18	0	197,686	0
		6936804	C	P400600	542977SPI	Fee /Michale Sean	10/01/17	09/30/18	0	248,435	(0)
		6936847	C	P154000	550033	Sutherland /Andrew Victor	09/01/17	08/31/21	0	307,884	(0)
		6937042	C	P400600	542965	DiCarlo /James	07/01/17	06/30/18	(54)	240,419	54
		6937100	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/17	06/30/22	0	905,525	905,525
		6937101	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/17	06/30/18	0	170,158	0
		6937102	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/18	06/30/19	2,893	522,712	0
		6937103	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/19	06/30/20	718,862	827,302	108,440
		6937104	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/20	06/30/21	0	857,472	857,472
		6937156	C	P158000	AWARD ID: 547335	Harlow /Daniel L.	09/01/17	08/31/22	90,608	320,000	31,859
		6937299	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/21	06/30/22	0	889,947	889,947
		6937530	C	P063007	509034SCFY17	Chisholm /Sallie W	10/01/17	09/30/18	0	135,604	(0)
		6937881	C	P063007	572792	Polz /Martin F	10/01/17	09/30/20	(12,995)	0	0
		6937882	C	P063007	572792	Polz /Martin F	10/01/17	09/30/18	12,995	319,633	(4,984)
		6938116	C	P154502	AGREEMENT DATED 11/4/16	Halassa /Michael	02/01/18	07/31/20	230,895	480,000	8,148

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		6938145	C	P153000	290361FY18	Summons /Roger E	05/01/18	04/30/19	0	381,598	0
		6938257	C	P153000	SCOL 344707	Bosak /Tanja	04/01/18	03/31/19	26	126,831	(0)
		6938360	C	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	04/01/18	03/31/21	213,224	720,000	247,834
		6938361	C	P154502		Desimone /Robert	04/01/18	03/31/21	166,548	720,000	259,116
		6938362	C	P154502		Jasanoff /Alan Pradip	04/01/18	03/31/21	188,720	540,000	148,362
		6938363	C	P154502		Graybiel /Ann M	04/01/18	03/31/21	154,439	360,000	124,803
		6938676	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/18	04/30/19	(1,810)	371,258	0
		6938993	C	P153000	SCOL 327126	Bosak /Tanja	07/01/18	06/30/19	(20,993)	282,679	7
		6939016	C	P400600	542993SPI	Jazayeri /Mehrdad	07/01/18	06/30/19	436	294,793	(0)
		6939017	C	P400600	542965	DiCarlo /James	07/01/18	06/30/19	0	251,719	0
		6939210	C	P154000	601948	Jerison /David S	08/01/18	08/31/20	43,942	83,412	(0)
		6939342	C	P154500	AWARD NO. 597310	Saxe /Rebecca R	09/01/18	08/31/19	(9,064)	79,868	(0)
		6939376	C	P153000	290361FY18	Summons /Roger E	05/01/19	04/30/20	321,811	441,392	5,143
		6939377	C	P153000	290361FY18	Summons /Roger E	05/01/20	04/30/21	62,368	400,000	337,632
		6939378	C	P153000	290361FY18	Summons /Roger E	05/01/21	04/30/22	0	400,000	400,000
		6939379	C	P153000	290361FY18	Summons /Roger E	05/01/22	04/30/23	0	400,000	400,000
		6939424	C	P159300	513633	Choi /Bohyun Gloria	09/01/18	08/31/19	82,972	157,216	(0)
		6939571	C	P154000	550033	Sutherland /Andrew Victor	09/01/18	08/31/19	250,120	818,117	0

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		6939572	C	P154000	550033	Sutherland /Andrew Victor	09/01/19	08/31/20	850,720	1,392,180	541,460
		6939697	C	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/18	07/31/19	38,705	389,537	(0)
		6939765	C	P400600	542977SPI	Fee /Michale Sean	10/01/18	09/30/19	18,961	251,565	(0)
		6939795	C	P063007	572792	Polz /Martin F	10/01/18	09/30/19	85,908	349,762	(11,122)
		6939860	C	P063007	509034SC	Chisholm /Sallie W	10/01/18	09/30/19	44,809	188,792	(0)
		6939972	C	P154500	325467	Fiete /Ila R	08/01/18	12/31/19	49,188	113,792	3,492
		6940018	C	P153000	290361FY18	Summons /Roger E	05/01/18	04/30/19	0	16,037	0
		6940102	C	P159300	AWD 575135: MIT CORE 592380	Bear /Mark	10/01/18	09/30/20	189,003	349,841	108,529
		6940145	C	P154500	542979	Fiete /Ila R	08/01/18	06/30/22	89,499	959,070	828,032
		6940371	C	P154000	601948	Jerison /David S	09/01/19	08/31/20	70,615	209,787	139,172
		6940406	C	P153000	622065	Babbin /Andrew R.	04/01/19	06/30/20	0	0	0
		6940502	C	P153000	622065	Babbin /Andrew R.	04/01/19	03/31/20	119,986	142,341	0
		6940577	C	P153000	SCOL 339603	Fournier /Gregory P.	04/01/19	03/31/20	194,967	325,640	78,780
		6940601	C	P153000	327126	Bosak /Tanja	07/01/19	06/30/20	386,572	429,732	43,160
		6941103	C	P400600	542993SPI	Jazayeri /Mehrdad	07/01/19	06/30/20	216,954	257,522	40,568
		6941104	C	P400600	542965	DiCarlo /James	07/01/19	06/30/20	219,161	257,862	38,701
		6941113	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/19	04/30/20	408,377	602,886	194,509
		6941167	C	P159300	AWARD ID: 626851	Choi /Bohyun Gloria	08/01/19	07/31/23	322,601	325,000	2,399

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		6941324	C	P158000		Todadri /Senthil	09/01/19	08/31/23	76,788	145,000	68,212
		6941400	C	P154502	AGREEMENT DATED 11/4/16	Sinha /Pawan	07/01/19	06/30/21	164,186	480,000	315,814
		6941427	C	P154502	AGREEMENT DATED 11/4/16	Gabrieli /John D. E.	07/01/19	06/30/21	132,256	480,000	347,744
		6941454	C	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/18	07/31/20	246,114	316,031	69,917
		6941629	C	P068100	622050	Uhler /Caroline	08/01/19	07/31/20	0	132,000	132,000
		6941644	C	P154000	AWARD ID 651477	Staffilani /Gigliola	09/01/19	08/31/23	0	0	0
		6941647	C	P154000	AWARD ID 651477	Staffilani /Gigliola	09/01/19	08/31/20	2,817	83,333	80,516
		6941648	C	P154000	AWARD ID 651477	Staffilani /Gigliola	09/01/20	08/31/21	0	0	0
		6941736	C	P154000	AWARD ID: 652299	Seidel /Paul Alfred	09/01/19	08/31/20	0	154,891	154,891
		6941801	C	P400600	542977SPI	Fee /Michale Sean	10/01/19	09/30/20	195,270	125,000	(70,270)
		6941820	C	P063007	509034SC	Chisholm /Sallie W	10/01/19	09/30/20	91,381	125,710	34,329
		6942353	C	P063007	572792	Polz /Martin F	10/01/19	09/30/20	101,629	337,745	236,116
		6942681	C	P153000	339603FY20	Fournier /Gregory P.	04/01/20	03/31/21	60,978	284,342	223,364
		6942826	C	P153000	622065	Babbin /Andrew R.	04/01/20	03/31/21	74,115	259,659	185,545
		6943066	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/20	04/30/21	52,439	366,380	313,941
		6943453	C	P063007	721246	Chisholm /Sallie W	07/01/20	06/30/24	0	2,080,000	2,080,000
		6943458	C	P153000	721248	Follows /Michael J	07/01/20	06/30/24	0	2,205,965	2,205,965
	007646 University of Hawaii	6936705	C	P063007	P49479	Chisholm /Sallie W	07/01/17	06/30/18	0	345,534	0

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		6936706	C	P153000	P49480	Follows /Michael J	07/01/17	06/30/18	0	261,665	0
		6939052	C	P063007	P49479	Chisholm /Sallie W	07/01/18	06/30/19	2,722	346,913	(0)
	011994 University of Hawaii Foundation	6930628	C	P153000	P49480	Follows /Michael J	07/01/14	06/30/15	0	315,221	(0)
		6930630	C	P153000	P49480	Follows /Michael J	07/01/14	06/30/20	0	0	0
		6930666	C	P063007	P49479	Chisholm /Sallie W	07/01/14	06/30/15	0	317,859	0
		6932269	C	P153000	P49480	Follows /Michael J	07/01/15	06/30/16	0	313,218	0
		6932270	C	P063007	P49479	Chisholm /Sallie W	07/01/14	06/30/16	0	475,553	0
		6934367	C	P063007	P49479	Chisholm /Sallie W	07/01/16	06/30/17	0	351,881	(0)
		6934827	C	P153000	P49480	Follows /Michael J	07/01/16	06/30/17	0	421,498	(0)
		6939143	C	P153000	P49480	Follows /Michael J	07/01/18	06/30/20	266,564	945,326	460,413
		6941229	C	P063007	P49479	Chisholm /Sallie W	07/01/14	06/30/20	346,818	357,662	10,843
		Total by Primary Sponsor							8,503,802	56,104,422	14,811,506
007350 Alfred P. Sloan Foundation	003821 New Jersey Institute of Technology	6936326	C	P067952	996698	Goldwasser /Shafira	04/01/17	01/31/19	0	227,381	76,738
		006902 Environmental Defense Fund	6937246	C	P320000	AGMT DTD 7/1/2017	07/01/17	06/30/20	37,991	298,550	0
	007350 Alfred P. Sloan Foundation	6934750	C	P091020	G-2016-7078	Dufflo /Esther	07/01/16	12/31/19	6,040	485,000	(13,781)
		6936879	C	P122070	G-2017-9824	Van Reenen /John Michael	07/01/17	07/31/21	35,783	276,185	205,766
		6937345	C	P091000	G-2017-9797	Acemoglu /K. Daron	07/01/17	06/30/20	195,260	290,000	6,458
		6938273	C	P122070	G-2017-9824	Van Reenen /John Michael	07/01/17	07/31/21	163,414	114,302	(136,764)

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		6938365	C	P320000	G-2018-10119	Armstrong /Robert C	04/01/18	11/30/20	560,177	918,399	188,106
		6938917	C	P063007	G-2018-11096	Kroll /Jesse	09/01/18	08/31/21	73,791	299,424	214,673
		6939344	C	P068100	G-2018-11164	Trancik /Jessika	09/01/18	08/31/19	25,950	125,000	(0)
		6940716	C	P091020	G-2019-11391	Sautmann /Anja	04/01/19	03/31/21	386,476	1,083,750	691,524
		6941045	C	P401823	G-2019-12358	Murray /Fiona E	07/01/19	06/30/20	159,526	175,000	15,474
	007529 University of California - Irvine	6942474	C	P062000	2020-1257	Brushett /Fikile R	01/01/20	12/31/20	93,755	150,000	56,245
	011817 The Regents of the University of California	6932580	C	P153000	2090G TA094	Ono /Shuhei	07/01/15	12/31/17	0	70,001	0
	101870 University of California, Los Angeles	6937616	C	P153000	2090 G VA220	Ono /Shuhei	07/01/17	12/31/19	7,466	11,530	0
		6938880	C	P153000	2090 G VA220	Ono /Shuhei	07/01/18	10/31/19	(95)	35,944	(0)
		6941180	C	P153000	2090 G VA220	Ono /Shuhei	07/01/19	12/31/19	6,790	6,790	0
		6941204	C	P153000	G-2018-11346 / 443875-E2-59016	Ono /Shuhei	01/01/19	12/31/19	12,364	12,364	(0)
	Total by Primary Sponsor								1,764,686	4,579,621	1,304,439
007351 Richard and Susan Smith Family Foundation	007351 Richard and Susan Smith Family Foundation	6938838	C	P063007	LTR. DTD. 06/11/2018	Bourouiba /Lydia	09/01/18	08/31/20	132,659	300,000	26,306
	Total by Primary Sponsor								132,659	300,000	26,306
007353 Memorial Sloan-Kettering Cancer Center	007353 Memorial Sloan-Kettering Cancer Center	6939997	C	P061901	SK2017-1904	Sontag /David Alexander	12/07/18	12/31/22	66,904	704,509	624,370
	Total by Primary Sponsor								66,904	704,509	624,370
007356 Smith Richardson Foundation	007356 Smith Richardson Foundation	6928871	C	P097500	SRF GRANT #2013-9333	Narang /Vipin	01/01/14	12/31/20	0	60,000	10,037
		6936770	C	P091000	2017-1465	Autor /David H	07/01/17	12/31/19	181,006	500,000	3,087

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	Total by Primary Sponsor								181,006	560,000	13,125
007362 Space Telescope Science Institute	007362 Space Telescope Science Institute	6942562	C	P159600	HST-GO-15210.002-A	Guenther /Hans M	05/01/19	04/30/22	0	10,492	10,492
		6942874	C	P061097	STSCI-51644	Cahoy /Kerri	01/16/20	08/31/20	16,836	20,599	3,763
	Total by Primary Sponsor								16,836	31,091	14,255
007378 The Spencer Foundation	007378 The Spencer Foundation	6942911	C	P091000	202000205	Pathak /Parag	07/01/20	06/30/21	0	188,841	188,841
	Total by Primary Sponsor								0	188,841	188,841
007392 Starr Foundation	010085 The Broad Institute, Inc.	6942686	C	P402000	6000157-5500001390	Hemann /Michael	01/01/20	12/31/20	0	120,000	120,000
	Total by Primary Sponsor								0	120,000	120,000
007404 Susan G Komen Breast Cancer Foundation	007404 Susan G Komen Breast Cancer Foundation	6938696	C	P067952	OG180001	Barzilay /Regina	06/06/18	06/05/19	33,394	211,346	22,584
		6942237	C	P067952	SAC190090	Barzilay /Regina	07/01/19	06/30/20	20,259	600,000	579,741
	Total by Primary Sponsor								53,653	811,346	602,325
007426 John Templeton Foundation	007426 John Templeton Foundation	6935369	C	P158000	GRANT ID 60148	Moodera /Jagadeesh	10/01/16	09/30/19	136,278	498,424	0
	007611 University of Connecticut	6942110	C	P095500	365965/6203530	Nielsen /Richard Alexander	09/01/19	04/01/20	0	5,250	5,250
	Total by Primary Sponsor								136,278	503,674	5,250
007448 Toyohashi University of Technology	007448 Toyohashi University of Technology	6937239	C	P066000	RESEACH AGREEMENT DATED 8-21-2017	Ross /Caroline A	04/01/17	03/31/19	(133)	63,823	0
	Total by Primary Sponsor								(133)	63,823	0
007452 Tides Foundation	007452 Tides Foundation	6935488	C	P405032	TFR16-04026	Reich /Blair Justin F	12/22/16	12/31/19	0	149,979	0
		6938071	C	P093800	1711-48863	Reich /Blair Justin F	12/22/16	12/31/19	82,778	150,021	0

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		6942572	C	P091020	TF2001-088478	Sautmann /Anja	01/24/20	01/31/24	111,146	1,000,000	888,854
		6942762	C	P091020	TF2001-088478	Sautmann /Anja	01/24/20	01/31/24	0	1,000,000	1,000,000
		Total by Primary Sponsor							193,924	2,300,000	1,888,854
007462 Hon Hai Precision Industry Co., Ltd.	007462 Hon Hai Precision Industry Co., Ltd.	6934579	C	P065004	AGMT DTD 8/15/16	Kim /Sangbae	06/15/16	06/14/19	(115)	723,036	0
		6934770	C	P060600	AGREEMENT EFF. 09/01/2016	Chandrakasan /Anantha P	09/01/16	08/31/20	152,432	600,000	(1,661)
		6935972	C	P065004	AGMT DTD 8/15/16	Kim /Sangbae	06/15/16	06/14/19	0	176,964	0
	Total by Primary Sponsor								152,317	1,500,000	(1,661)
007478 Robert Bosch LLC	007478 Robert Bosch LLC	6917915	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Armstrong /Robert C	01/01/08	12/31/18	0	221,483	96,483
		6917916	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Marzari /Nicola	05/01/08	10/31/12	0	345,000	(0)
		6917917	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Chen /Gang	01/01/08	04/30/13	0	1,082,062	0
		6917918	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Kimerling /Lionel C	05/01/08	11/30/10	0	300,000	(0)
		6917919	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Ceder /Gerbrand	05/01/08	10/31/12	0	343,825	(0)
		6917920	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Marzari /Nicola	01/01/08	05/31/14	0	392,961	0
		6924100	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Buonassisi /Anthony	05/15/11	05/14/13	0	320,000	0
		6925040	C	P320000	2011 BERN GRANT	Buonassisi /Anthony	01/01/12	03/31/15	0	300,000	0
		6926163	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 6/1/2012	Cummins /Christopher C	06/01/12	06/30/17	0	889,440	(0)
		6928283	C	P320000	2013 BOSCH ENERGY RESEARCH NETWORK (BERN)GRANT	Shao-Horn /Yang	07/01/13	06/30/15	0	240,000	0
		6928837	C	P320000	BOSCH MITEI SUSTAINING MBR 1/1/2008; RPP	Annaswamy /Anuradha M	09/01/13	08/31/17	0	820,000	(0)

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		6931481	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Brushett /Fikile R	01/01/15	12/31/16	0	349,926	0
		6932761	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 7/1/15	Grossman /Jeffrey C.	07/01/15	06/30/17	0	300,000	0
		6933478	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 7/1/15	Yildiz /Bilge	01/01/16	12/31/17	0	308,867	0
		6934090	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 7/1/15	Olivetti /Elsa A	04/01/16	12/31/17	0	226,998	0
		6935857	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 7/1/15	Perreault /David J	02/01/17	07/31/18	0	229,438	0
		6936007	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Kulik /Heather Janine	05/01/17	04/30/19	(325)	250,000	0
		6936015	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Alexander-Katz /Alfredo	06/01/17	06/30/19	9,800	226,283	(2,667)
		6937597	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Alexander-Katz /Alfredo	06/01/17	08/15/17	0	23,717	0
		6937691	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	12/01/17	08/31/19	29,808	144,822	(6,758)
		6939875	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	10/01/18	05/31/19	0	19,200	380
		6940232	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	07/03/18	05/31/19	0	5,978	114
		Total by Primary Sponsor									39,283
007512 U.S.-Israel Binational Science Foundation	007512 U.S.-Israel Binational Science Foundation	6932399	C	P067952	2014276	Vaikuntanathan /Vinod	10/01/15	09/30/19	14,357	54,000	26,930
		6933406	C	P153000	2014206	Flierl /Glenn Richard	04/01/16	03/31/20	7,366	15,481	0
		6934421	C	P165000	2015211	Dedon /Peter C	09/01/16	08/31/20	4,157	73,000	18,501
		6941158	C	P158000	APPLICATION # 2018033	Levitov /Leonid	10/01/19	09/30/23	1,465	89,672	88,207
		6941159	C	P158000	APPLICATION # 2018093	Hen /Or	10/01/19	09/30/23	2,516	28,800	26,284
		Total by Primary Sponsor									29,861

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007554 Los Alamos National Security, L.L.C.	007554 Los Alamos National Security, L.L.C.	6943049	C	P243020	562714	Li /Chikang	05/01/20	04/05/21	0	39,992	39,992
		Total by Primary Sponsor							0	39,992	39,992
007580 Fundacion LOGyCA	007580 Fundacion LOGyCA	6925610	C	P069501	LOGYCA AGREEMENT	Sheffi /Yosef	01/01/12	12/31/21	0	313,000	313,000
		6925611	C	P069501	LOGYCA AGREEMENT	Sheffi /Yosef	01/01/12	12/31/21	79,992	985,000	26,124
		Total by Primary Sponsor							79,992	1,298,000	339,124
007643 University of Massachusetts - Boston	007643 University of Massachusetts - Boston	6941434	C	P063007	SUB NO. B000873886	Nepf /Heidi	06/01/19	12/31/20	25,768	38,813	13,045
		Total by Primary Sponsor							25,768	38,813	13,045
007679 The University of Singapore	007679 The University of Singapore	6898022	C	P068200	MOU DATED 9/17/04	Yue /Dick K. P.	07/01/05	01/31/19	0	0	0
		6898023	C	P068200	MOU DATED 9/17/04	Yue /Dick K. P.	07/01/05	06/30/16	0	0	0
		6898025	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	16,283	0
		6898027	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	06/30/15	0	404,526	(0)
		6898029	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	06/30/15	0	1,500	0
		6898030	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	06/30/15	(0)	0	0
		6898031	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	06/30/15	0	2,053	0
		6898032	C	P060600	MOU DATED 9/17/04	Antoniadis /Dimitri A	07/01/05	10/31/14	0	485,737	0
		6898035	C	P066000	MOU DATED 9/17/04	Chiang /Yet-Ming	07/01/05	10/31/14	0	485,083	(0)
		6898036	C	P069850	MOU DATED 9/17/04	Fitzgerald /Eugene A	07/01/05	10/31/14	0	942,959	(0)
		6898037	C	P066000	MOU DATED 9/17/04	Marzari /Nicola	07/01/05	10/25/12	0	426,433	0

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		6898038	C	P066000	MOU DATED 9/17/04	Ross /Caroline A	07/01/05	10/31/14	0	614,853	0
		6898039	C	P267600	MOU DATED 9/17/04	Smith /Henry I	07/01/05	01/31/11	0	342,113	0
		6898040	C	P066000	MOU DATED 9/17/04	Stellacci /Francesco	07/01/05	08/31/14	0	730,510	(0)
		6898042	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	10/31/14	0	1,136,504	0
		6898045	C	P121152	MOU DATED 9/17/04	Freund /Robert Michael	07/01/05	12/31/14	0	0	0
		6898046	C	P065006	MOU DATED 9/17/04	Hadjiconstantinou /Nicolas	07/01/05	08/31/14	0	884,074	(0)
		6898047	C	P267110	MOU DATED 9/17/04	Han /Jongyoon	07/01/05	10/31/14	0	1,368,620	0
		6898049	C	P068700	MOU DATED 9/17/04	Parrilo /Pablo A	07/01/05	10/31/14	0	257,094	0
		6898051	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	590,902	0
		6898054	C	P267110	MOU DATED 9/17/04	Voldman /Joel	07/01/05	10/31/14	0	1,297,846	0
		6898055	C	P267500	MOU DATED 9/17/04	White /Jacob K	07/01/05	10/31/14	(30)	984,202	1
		6898056	C	P061093	MOU DATED 9/17/04	Willcox /Karen E	07/01/05	12/31/14	0	591,734	(0)
		6898057	C	P402012	MOU DATED 9/17/04	Chen /Jianzhu	07/01/05	10/31/14	0	1,365,428	(0)
		6898058	C	P065006	MOU DATED 9/17/04	Dewey /C Forbes	07/01/05	08/31/14	0	75,033	(0)
		6898059	C	P068200	MOU DATED 9/17/04	Lodish /Harvey F	07/01/05	02/01/15	0	1,350,792	0
		6898060	C	P069200	MOU DATED 9/17/04	Matsudaira /Paul T	07/01/05	05/01/09	0	449,943	(0)
		6898062	C	P066000	MOU DATED 9/17/04	Dao /Ming	07/01/05	10/31/14	0	794,579	(0)
		6898064	C	P122020	MOU DATED 9/17/04	Welsch /Roy E	07/01/05	06/30/13	0	75,010	(0)

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		6898066	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	930,492	0
		6898067	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	928,187	(0)
		6898068	C	P065004	MOU DATED 9/17/04	Anand /Lallit	07/01/05	10/31/14	0	1,280,761	0
		6898069	C	P060600	MOU DATED 9/17/04	Boning /Duane S	07/01/05	06/30/11	0	406,932	0
		6898070	C	P069700	MOU DATED 9/17/04	Chun /Jung-Hoon	07/01/05	08/31/14	0	408,161	(0)
		6898072	C	P069700	MOU DATED 9/17/04	Gershwin /Stanley B	07/01/05	06/30/07	0	47,529	(0)
		6898074	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	10/31/14	0	1,623,252	0
		6898076	C	P065002	MOU DATED 9/17/04	Thorsen /Todd A.	07/01/05	06/30/11	0	218,818	0
		6898077	C	P065003	MOU DATED 9/17/04	Youcef-Toumi /Kamal	07/01/05	08/31/14	0	457,162	0
		6898082	C	P069850	MOU DATED 9/17/04	Fitzgerald /Eugene A	07/01/05	10/31/14	0	796,696	(0)
		6898084	C	P066000	MOU DATED 9/17/04	Ross /Caroline A	07/01/05	10/31/14	0	797,720	0
		6898087	C	P066000	MOU DATED 9/17/04	Dao /Ming	07/01/05	10/31/14	0	611,780	0
		6898088	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	10/31/14	0	794,486	(0)
		6898089	C	P121152	MOU DATED 9/17/04	Bertsimas /Dimitris J	07/01/05	12/31/07	0	134,619	(2,222)
		6898090	C	P154000	MOU DATED 9/17/04	Edelman /Alan	07/01/05	10/31/14	0	182,779	0
		6898091	C	P121152	MOU DATED 9/17/04	Freund /Robert Michael	07/01/05	12/31/14	0	573,618	(0)
		6898095	C	P068700	MOU DATED 9/17/04	Parrilo /Pablo A	07/01/05	10/31/14	0	454,999	0
		6898096	C	P121012	MOU DATED 9/17/04	Levi /Retsef	07/01/05	06/30/13	0	265,000	0

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		6898097	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	428,189	(0)
		6898098	C	P121012	MOU DATED 9/17/04	Perakis /Georgia	07/01/05	10/31/14	0	430,226	0
		6898099	C	P154000	MOU DATED 9/17/04	Strang /W. Gilbert	07/01/05	06/30/13	0	216,600	(0)
		6898102	C	P061093	MOU DATED 9/17/04	Willcox /Karen E	07/01/05	12/31/14	0	308,018	0
		6898104	C	P065004	MOU DATED 9/17/04	Dewey /C Forbes	07/01/05	10/31/14	0	756,226	0
		6898107	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	831,838	(0)
		6898110	C	P122020	MOU DATED 9/17/04	Welsch /Roy E	07/01/05	10/31/14	0	724,580	(0)
		6898111	C	P267110	MOU DATED 9/17/04	White /Jacob K	07/01/05	10/31/14	0	646,135	0
		6898115	C	P121152	MOU DATED 9/17/04	Gallien /Jeremie	07/01/05	10/31/14	0	426,974	(0)
		6898116	C	P069700	MOU DATED 9/17/04	Gershwin /Stanley B	07/01/05	10/31/14	0	990,212	0
		6898117	C	P069700	MOU DATED 9/17/04	Graves /Stephen C	07/01/05	10/31/14	0	1,209,544	(0)
		6898118	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/05	10/31/14	0	378,294	(0)
		6898123	C	P152000	MOU DATED 9/17/04	Buchwald /Stephen Leffler	05/01/06	08/31/14	0	375,930	0
		6898124	C	P062000	MOU DATED 9/17/04	Doyle /Patrick S	05/01/06	08/31/14	0	819,673	0
		6898125	C	P062000	MOU DATED 9/17/04	Hatton /Trevor Alan	05/01/06	10/31/14	0	1,218,120	0
		6898128	C	P062000	MOU DATED 9/17/04	Stephanopoulos /Gregory	05/01/06	10/31/14	0	1,118,208	(0)
		6898129	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	05/01/06	10/31/14	0	1,224,469	(0)
		6898130	C	P062000	MOU DATED 9/17/04	Wang /Daniel I. C.	05/01/06	08/31/14	0	910,117	0

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		6898132	C	P152000	MOU DATED 9/17/04	Buchwald /Stephen Leffler	07/01/05	12/31/07	0	60,000	(0)
		6898133	C	P062000	MOU DATED 9/17/04	Doyle /Patrick S	07/01/05	08/31/14	0	239,587	(0)
		6898134	C	P062000	MOU DATED 9/17/04	Hatton /Trevor Alan	07/01/05	06/30/13	0	600,000	(0)
		6898137	C	P062000	MOU DATED 9/17/04	Stephanopoulos /Gregory	07/01/05	10/31/14	0	599,000	(0)
		6898138	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	07/01/05	02/29/12	0	539,902	(0)
		6898139	C	P062000	MOU DATED 9/17/04	Wang /Daniel I. C.	05/01/06	08/31/14	0	906,577	(0)
		6899017	C	P069700	MOU DATED 9/17/04	Hardt /David E	12/12/05	08/31/14	0	4,976	0
		6899772	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	05/01/06	08/31/14	0	87,922	(0)
		6914189	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	08/31/14	0	626,203	0
		6914583	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	11/03/06	12/31/07	0	31,070	0
		6916058	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/07	08/31/14	0	689,629	0
		6916868	C	P064000	MOU DATED 9/17/04	Berggren /Karl K	07/01/07	06/30/11	0	59,318	(0)
		6917161	C	P069700	MOU DATED 9/17/04	Hardt /David E	12/01/07	06/30/11	0	7,326	0
		6917240	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/07	08/31/14	0	320,993	(0)
		6918174	C	P065005	MOU DATED 9/17/04	Anand /Lalit	07/01/08	06/30/11	0	10,000	0
		6918212	C	P069700	MOU DTD. 9/17/04	Hardt /David E	07/01/08	06/30/11	0	6,571	0
		6918213	C	P069700	MOU DTD. 9/17/04	Hardt /David E	07/01/08	06/30/11	0	5,348	0
		6919360	C	P267600	MOU DATED 9/17/04	Berggren /Karl K	01/01/09	10/31/14	0	168,329	0
		6919945	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	07/01/09	06/30/11	0	56,567	0

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		6920017	C	P069700	MOU DATED 9/17/04	Anthony /Brian	05/01/09	06/30/11	0	67,600	0
		6921340	C	P267600	MOU DATED 9/17/04	Berggren /Karl K	01/11/10	06/30/13	0	12,085	0
		6922131	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/09	08/31/10	0	33,944	0
	Total by Primary Sponsor								(30)	44,733,101	(2,221)
007700 V Foundation	007700 V Foundation	6937484	C	P402000	V2017-016	Birnbaum /Michael E	11/01/17	11/01/20	42,912	200,000	43,082
	Total by Primary Sponsor								42,912	200,000	43,082
007752 Klingenstein Fund	007752 Klingenstein Fund	6932221	C	P400600	LETTER DATED 5/8/13	Jazayeri /Mehrdad	07/01/15	07/01/20	19,109	225,000	(49)
	Total by Primary Sponsor								19,109	225,000	(49)
007805 Taiwan Semiconductor Manufacturing Co., Ltd.	007805 Taiwan Semiconductor Manufacturing Co., Ltd.	6936777	C	P060600	AGMT EFF DATE 9/1/17	Liu /Luqiao	10/01/17	12/31/19	106,394	300,000	0
		6937986	C	P060600	AGMT EFF 10/1/17	Chandrakasan /Anantha P	03/19/18	12/31/21	78,821	375,000	139,641
		6941111	C	P267100	201901160012/AGMT EFF 01/25/19	Kong /Jing	01/01/19	06/30/20	181,827	150,000	(31,827)
	Total by Primary Sponsor								367,041	825,000	107,814
007827 Woods Hole Oceanographic Institution	007827 Woods Hole Oceanographic Institution	6942575	C	P065004	SUBAWARD A101481	Hart /Douglas	08/01/19	12/31/20	513	68,500	67,987
		6942673	C	P065004	SUBAWARD A101481	Hart /Douglas	02/01/20	07/31/20	0	31,500	31,500
	Total by Primary Sponsor								513	100,000	99,487
007876 MasterCard Foundation	007876 MasterCard Foundation	6940311	C	P035000	AGMT SIGNED 2/8/19	Williams /Sarah E	02/08/19	12/31/19	28,337	40,000	4,822
	Total by Primary Sponsor								28,337	40,000	4,822
009904 MIT - Internal	009904 MIT - Internal	6891055	C	P159400	GLOBAL CHANGE	Prinn /Ronald G	07/01/00	06/30/21	453,994	6,345,000	(134,286)

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		6891056	C	P159400	GLOBAL CHANGE	Prinn /Ronald G	07/01/00	06/30/21	43,438	4,056,000	8,634
		6922520	C	P061200	DESHPANDE MOU	Swager /Timothy M	09/01/10	08/31/21	0	319,626	319,486
		6922521	C	P061200	DESHPANDE MOU	Swager /Timothy M	09/01/10	08/31/21	546,958	3,000,000	(356,291)
		6922522	C	P061200	DESHPANDE MOU	Cooney /Charles L	09/01/10	08/31/21	0	60,918	60,918
		6922541	C	P061901	DESHPANDE MOU	Edelman /Elazer R	09/01/10	08/31/12	0	249,542	0
		6922542	C	P067952	DESHPANDE MOU	Katabi /Dina	10/01/10	09/30/11	0	47,567	(0)
		6922543	C	P066000	DESHPANDE MOU	Beach /Geoffrey Stephen	09/01/10	08/31/12	0	100,000	0
		6922544	C	P069700	DESHPANDE MOU	Buonassisi /Anthony	09/01/10	08/31/11	0	125,000	(0)
		6922587	C	P065006	DESHPANDE MOU	Slocum /Alexander H	09/01/10	12/31/11	0	49,974	0
		6922588	C	P039000	DESHPANDE MOU	Raskar /Ramesh	09/01/10	08/31/11	0	50,000	0
		6924441	C	P402000	DESHPANDE MOU	Anderson /Daniel Griffith	10/01/11	09/30/13	0	50,000	(0)
		6924442	C	P069850	DESHPANDE MOU	Cima /Michael J	09/01/11	08/31/12	0	50,000	0
		6924443	C	P065004	DESHPANDE MOU	Patera /Anthony T	09/01/11	07/31/13	0	128,153	0
		6924444	C	P065009	DESHPANDE MOU	Chen /Gang	10/01/11	03/31/13	0	67,741	(0)
		6926533	C	P067952	DESHPANDE MOU	Edelman /Alan	09/01/12	12/31/14	0	150,000	0
		6926534	C	P152000	DESHPANDE MOU	Johnson /Jeremiah A.	09/01/12	08/31/14	0	151,127	0
		6926536	C	P152000	DESHPANDE MOU	Swager /Timothy M	09/01/12	08/31/14	0	199,586	0
		6926537	C	P061901	DESHPANDE MOU	Liau /Jane-Jane Chen	09/01/12	08/31/15	0	299,356	0

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		6926538	C	P069201	DESHPANDE MOU	Grodzinsky /Alan J	09/01/12	12/31/15	0	249,932	(0)
		6926539	C	P062000	DESHPANDE MOU	Hammond /Paula T	10/01/12	05/31/14	0	103,362	(0)
		6926540	C	P039000	DESHPANDE MOU	Raskar /Ramesh	09/01/12	08/31/14	0	150,000	0
		6928485	C	P267111	DESHPANDE MOU	Grossman /Jeffrey C.	09/01/13	08/31/15	0	199,995	(0)
		6928488	C	P152000	DESHPANDE MOU	Pentelute /Bradley L.	09/01/13	08/31/15	0	103,323	0
		6928489	C	P066000	DESHPANDE MOU	Schuh /Christopher A	09/01/13	03/31/18	0	224,374	0
		6928490	C	P267600	DESHPANDE MOU	Watts /Michael R	09/01/13	08/31/16	0	69,353	0
		6928558	C	P151020	DESHPANDE MOU	Walker /Graham C	09/01/13	08/31/16	0	100,881	0
		6929019	C	P152000	DESHPANDE MOU	Pentelute /Bradley L.	09/01/13	08/31/15	0	52,876	0
		6931892	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	03/31/22	0	13,830	13,830
		6931893	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	03/31/21	0	0	0
		6931895	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	09/30/19	968	7,000	6,032
		6932086	C	P061903	MICROBIOME	Alm /Eric J	05/01/15	04/30/16	0	215,489	0
		6932154	C	P069201	MICROBIOME	Lu /Timothy K	07/01/15	06/30/19	(1,011)	298,467	0
		6932158	C	P061901	MICROBIOME	Collins /James J.	07/01/15	04/30/20	72,239	418,750	498
		6932308	C	P061903	MICROBIOME	Alm /Eric J	07/01/15	08/31/20	875,996	3,477,799	1,164,406
		6932322	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	05/31/21	270,974	1,514,855	(9,819)
		6932436	C	P061903	MICROBIOME	Alm /Eric J	09/01/15	08/31/17	0	198,985	0

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		6932437	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	05/31/21	258,785	623,000	34,819
		6932777	C	P061097	DESHPANDE MOU	Cahoy /Kerri	09/01/15	08/31/17	0	173,032	0
		6932785	C	P402010	DESHPANDE MOU	Koehler /Angela Nicole	09/01/15	08/31/17	0	249,812	(0)
		6932791	C	P267600	DESHPANDE MOU	Lu /Timothy K	09/01/15	08/31/16	0	75	0
		6933345	C	P061903	MICROBIOME	Alm /Eric J	01/01/16	12/31/19	16,469	156,250	0
		6933346	C	P061903	MICROBIOME	Alm /Eric J	01/01/16	12/31/16	0	156,250	0
		6933347	C	P061903	MICROBIOME	Alm /Eric J	01/01/16	03/31/19	52,540	249,260	0
		6933348	C	P061903	MICROBIOME	Alm /Eric J	01/01/16	12/31/16	0	50,000	0
		6933349	C	P154000	MICROBIOME	Berger Leighton /Bonnie	01/01/16	08/31/18	0	206,250	0
		6933350	C	P063007	MICROBIOME	Polz /Martin F	01/01/16	12/31/17	0	154,657	0
		6933665	C	P061903	MICROBIOME	Alm /Eric J	12/01/15	01/31/21	241,121	2,687,500	606,210
		6934500	C	P069201	MICROBIOME	Alm /Eric J	04/01/16	03/31/22	782,532	2,976,276	290,581
		6934768	C	P061097	DESHPANDE MOU	Cahoy /Kerri	09/01/15	08/31/17	0	77,419	0
		6935876	C	P165000	MICROBIOME	Ribbeck /Katharina	04/01/17	05/31/19	0	62,500	(0)
		6935953	C	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/18	0	62,500	0
		6935954	C	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/19	0	156,250	0
		6935955	C	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/18	0	100,000	0
		6935956	C	P061903	MICROBIOME	Alm /Eric J	04/01/17	11/30/18	(130)	62,500	130

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		6935957	C	P061903	MICROBIOME	Alm /Eric J	05/01/17	04/30/20	154,693	230,580	1,122
		6936504	C	P069201	MICROBIOME	Alm /Eric J	03/30/17	06/30/20	92,284	375,000	(191)
		6936800	C	P061903	MICROBIOME	Alm /Eric J	08/01/17	01/31/19	21,232	110,932	0
		6938969	C	P061903	MICROBIOME	Alm /Eric J	05/01/18	12/31/20	26,651	62,500	25,603
		6938970	C	P061903	MICROBIOME	Alm /Eric J	04/01/18	03/31/19	156,250	156,250	0
		6938971	C	P061903	MICROBIOME	Alm /Eric J	07/01/18	06/30/20	40,443	62,500	21,842
		6938972	C	P061903	MICROBIOME	Alm /Eric J	07/01/18	12/31/19	62,500	62,500	0
		6938978	C	P061901	MICROBIOME	Lieberman /Tami Danielle	07/01/18	06/30/19	(2,483)	62,500	(0)
		6938979	C	P152000	MICROBIOME	Kiessling /Laura L	04/01/18	09/30/19	32,382	62,500	(29,177)
		6939418	C	P061903	MICROBIOME	Alm /Eric J	06/01/18	05/31/21	0	456,320	456,320
		6939419	C	P061903	MICROBIOME	Alm /Eric J	02/13/18	02/12/21	0	498,291	498,291
		6941321	C	P061901	MICROBIOME	Alm /Eric J	04/01/19	03/31/21	16,574	156,250	139,676
		Total by Primary Sponsor								4,215,400	33,398,516
	009906 MIT - Internal Cost Sharing	009906 MIT - Internal Cost Sharing	6919766	C	P066000	KK9151	Belcher /Angela M	12/01/08	06/30/14	0	308,355
		6919896	C	P066000	KK9151	Belcher /Angela M	12/01/08	12/31/13	0	101,361	(0)
		6919897	C	P066000	KK9151	Belcher /Angela M	12/01/08	12/31/13	0	34,269	(0)
		6923782	C	P066000	KK9151	Belcher /Angela M	12/01/10	12/31/13	0	345,160	(0)
		6927097	C	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	331,677	0

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		6927098	C	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	193,635	0
		6927099	C	P069500	AID-OAA-A-12-00095	Sheffi /Yosef	10/01/12	12/31/17	0	149,035	(0)
		6927100	C	P440105	AID-OAA-A-12-00095	Smith /Amy B	10/01/12	12/31/17	0	230,397	0
		6927101	C	P069400	AID-OAA-A-12-00095	de Weck /Olivier L	10/01/12	12/31/17	0	0	0
		6927264	C	P417000	W911NF-13-D-0001	Joannopoulos /John	01/01/13	12/31/22	623,268	5,078,478	742,282
		6927368	C	P417000	W911NF-13-D-0001	Elman /Noel M	01/01/13	06/30/15	0	217,176	(0)
		6927369	C	P417000	W911NF-13-D-0001	Klibanov /Alexander M	01/01/13	12/31/13	0	133,484	(0)
		6927370	C	P417000	W911NF-13-D-0001	Barbastathis /George	01/01/13	12/31/13	0	91,226	(0)
		6927371	C	P417000	W911NF-13-D-0001	Fisher /Peter H	01/01/13	06/30/18	0	70,004	0
		6927372	C	P417000	W911NF-13-D-0001	Nelson /Keith Adam	01/01/13	12/31/14	0	52,269	(0)
		6927383	C	P417000	W911NF-13-D-0001	Win /Moe Z	01/01/13	12/31/14	0	75,085	(0)
		6927384	C	P417000	W911NF-13-D-0001	Levitov /Leonid	07/01/13	12/31/16	0	50,195	0
		6927385	C	P417000	W911NF-13-D-0001	Buehler /Markus J	07/01/13	12/31/15	0	53,095	0
		6927387	C	P417000	W911NF-13-D-0001	Johnson /Steven G	01/01/14	12/31/17	0	157,737	0
		6927388	C	P417000	W911NF-13-D-0001	Olsen /Bradley D.	01/01/14	12/31/20	2,018	275,000	28,903
		6928159	C	P417000	W911NF-13-D-0001	Fink /Yoel	07/01/14	12/31/16	0	127,107	(0)
		6928160	C	P417000	W911NF-13-D-0001	Strano /Michael S.	09/01/14	12/31/17	0	128,453	0
		6928161	C	P417000	W911NF-13-D-0001	Hart /Anastasios John	09/01/14	12/31/17	0	120,100	0

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		6928692	C	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	08/31/20	115,311	1,215,812	(0)
		6929255	C	P069201	KK9151	Lauffenburger /Douglas A	12/01/13	11/30/18	(0)	666,143	(4,330)
		6929323	C	P266300	NA14OAR4170077	Chrysostomidis /Chrysostomo	02/01/14	08/31/19	26,141	3,030,841	4,513
		6929771	C	P243021	5-P41-EB002026-42	Griffin /Robert Guy	05/01/14	05/31/19	(5,564)	313,539	0
		6929885	C	P035000	CONTRACT #81074	Zhao /Jinhua	07/01/14	06/30/18	0	25,365	0
		6930090	C	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/14	05/31/15	0	11,951	0
		6930146	C	P165000	2-P01-CA026731-35A1	Tannenbaum /Steven R	06/01/14	05/31/18	0	161,064	0
		6930147	C	P165000	2-P01-CA026731-35A1	Dedon /Peter C	06/01/14	05/31/19	59	225,261	0
		6930148	C	P165000	2-P01-CA026731-35A1	Essigmann /John M	06/01/14	05/31/19	(0)	197,960	(0)
		6930149	C	P165000	2-P01-CA026731-35A1	Engelward /Bevin P	06/01/14	05/31/19	(0)	221,268	(0)
		6930225	C	P153000	SCOL 290361	Summons /Roger E	05/01/13	04/30/14	0	2,602	(0)
		6930560	C	P067952	2-R01-GM082209-05A1	Tidor /Bruce	06/05/14	05/31/16	0	47,270	(0)
		6930747	C	P159300	1-RF1-AG048029-01	Tsai /Li-Huei	08/15/14	05/31/19	0	113,526	0
		6930753	C	P400600	5-R01-NS078127-03	Jazayeri /Mehrdad	04/01/14	03/31/20	40,623	246,195	(43)
		6930843	C	P243021	5-R01-EB001960-39	Griffin /Robert Guy	09/26/14	03/31/19	(0)	64,087	(0)
		6930973	C	P159300	5610221-5500000694	Tsai /Li-Huei	09/10/14	08/31/15	0	18,333	0
		6931000	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/15	0	11,991	0
		6931290	C	P417000	W911NF-13-D-0001	Varanasi /Kripa	12/01/14	12/31/15	0	51,597	0

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		6931291	C	P417000	W911NF-13-D-0001	Gleason /Karen K	01/01/15	12/31/15	0	50,366	0
		6931292	C	P417000	W911NF-13-D-0001	Soljacic /Marin	01/01/15	12/31/17	0	325,446	0
		6931360	C	P069850	1-DP2-CA195769-01	Cisse /Ibrahim I	09/23/14	06/30/19	1,046	279,631	0
		6931366	C	P151002	AGREEMENT DTD.:5/2/2002	Schwartz /Thomas	05/04/02	03/31/24	75,300	697,090	75,300
		6931539	C	P159300	5-R01-MH106497-02	Choi /Bohyun Gloria	03/01/15	02/29/20	26,069	167,032	0
		6931584	C	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/15	12/31/17	0	224,963	0
		6931699	C	P159300	5-R01-MH085802-08	Sur /Mriganka	04/01/15	02/28/21	25,644	182,215	(325)
		6931881	C	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	156,268	(0)
		6931918	C	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/14	05/31/16	0	13,247	(0)
		6931983	C	P417000	W911NF-13-D-0001	Wardle /Brian L	05/01/15	12/31/16	0	80,034	(0)
		6931984	C	P417000	W911NF-13-D-0001	Swan /James W	05/01/15	12/31/16	0	51,246	0
		6931991	C	P417000	W911NF-13-D-0001	Swager /Timothy M	06/01/15	12/31/17	0	149,821	0
		6932211	C	P159300	5-R01-EY007023-26	Sur /Mriganka	04/01/15	03/31/20	49,592	277,942	(0)
		6932391	C	P400600	102106 NIH0070	Lin /Yingxi	07/01/15	06/30/18	0	10,726	0
		6932481	C	P063007	DTFH6115C00033	Ben-Akiva /Moshe E	09/15/15	12/14/19	144,966	151,851	6,885
		6932492	C	P417000	W911NF-13-D-0001	Strano /Michael S.	06/01/15	12/31/16	0	90,522	0
		6932614	C	P165000	5-R01-AI111395-02	Sasisekharan /Ram	08/01/15	07/31/19	0	195,752	(0)
		6932707	C	P069850	0002B-11	Clark /Joel P	07/16/15	06/30/17	0	70,050	0

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		6932737	C	P417000	W911NF-13-D-0001	Olsen /Bradley D.	06/01/15	12/31/16	0	2,742	0
		6932748	C	P159300	5-R01-NS040296-6	Littleton /J. Troy	09/15/15	07/31/20	32,011	151,270	(363)
		6932820	C	P243021	2-R01-EB002804-27	Griffin /Robert Guy	04/01/15	04/30/19	1	54,787	0
		6932863	C	P159300	4-R37-MH087027-08	Miller /Earl K	03/01/15	02/28/21	48,031	229,239	(558)
		6932864	C	P159300	1-R01-EY025437-01	Nedivi /Elly	04/01/15	02/28/21	48,031	190,215	(16,383)
		6932933	C	P066000	DE-AR0000632	Hu /Juejun	10/05/15	01/04/20	21,082	97,182	(11,706)
		6932935	C	P152000	1-DP2-GM119162-01	Shoulders /Matthew D.	06/30/15	08/31/20	72,085	290,280	(8,699)
		6932953	C	P062000	2-R01-DE013023-16	Langer /Robert S	05/08/15	04/30/20	(6,375)	151,117	126,339
		6932962	C	P159300	5610222-5500000694	Tsai /Li-Huei	07/01/15	06/30/16	0	20,029	0
		6933047	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	378,952	(10,494)
		6933224	C	P061901	8943SC	Chakraborty /Arup K	08/15/15	04/30/21	0	38,160	24,913
		6933418	C	P402100	VJMC 36112	Fox /James G	07/01/15	06/30/16	0	23,534	0
		6933437	C	P417000	W911NF-13-D-0001	Soljadic /Marin	01/01/16	12/31/17	0	7,088	0
		6933598	C	P417000	W911NF-13-D-0001	Swager /Timothy M	01/01/16	12/31/17	0	199,607	(0)
		6933599	C	P417000	W911NF-13-D-0001	Cima /Michael J	01/01/16	04/30/18	0	100,595	0
		6933602	C	P417000	W911NF-13-D-0001	Fisher /Peter H	01/01/16	12/31/17	0	68,507	(0)
		6933603	C	P417000	W911NF-13-D-0001	Celanovic /Ivan L.	01/01/16	12/31/20	90,088	337,517	(57,576)
		6933604	C	P417000	W911NF-13-D-0001	Soljadic /Marin	01/01/16	12/31/17	0	93,976	0

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		6933605	C	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/16	12/31/16	0	70,627	0
		6933608	C	P039000	SUBAWARD 152772.5906243.0105	Boyden /Edward	09/21/15	06/30/16	0	2,960	(0)
		6933610	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/15	06/30/16	0	29,408	0
		6933695	C	P069201	1-R01-CA206218-01A1	Weiss /Ron	01/12/16	11/30/20	0	23,895	23,692
		6933726	C	P417000	W911NF-13-D-0001	Cima /Michael J	01/01/16	12/31/16	0	21,518	0
		6933800	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	72,096	(0)
		6933801	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	40,508	(0)
		6933819	C	P061901	1-R25-GM116705	Gray /Martha L	09/21/15	07/31/21	0	38,608	1,096
		6933921	C	P165000	PO#0000635383	Alm /Eric J	07/01/15	05/31/16	0	10,063	(0)
		6934032	C	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	163,667	0
		6934168	C	P402100	VUMC 36112	Fox /James G	04/30/16	06/30/16	0	2,960	0
		6934179	C	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/16	05/31/17	0	13,582	0
		6934189	C	P400600	1-S10-OD021569-01	Gabrieli /John D. E.	04/01/16	03/31/17	470,213	503,797	(166)
		6934288	C	P400600	MLSC	Feng /Guoping	03/31/15	06/30/16	540,704	540,704	0
		6934451	C	P400600	4-R01-MH097104-05	Feng /Guoping	07/01/16	06/30/19	0	94,351	(0)
		6934464	C	P159300	5-R37-NS051874-23	Tsai /Li-Huei	04/02/11	06/30/20	6,898	55,060	5,268
		6934529	C	P402100	VUMC 36112	Fox /James G	07/01/16	06/30/17	0	12,129	0
		6934621	C	P402010	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	23,954	0

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		6934652	C	P069850		Clark /Joel P	08/15/16	10/31/18	0	228,471	(6,750)
		6934654	C	P069850		Clark /Joel P	06/01/16	08/31/18	0	64,743	(1,937)
		6934656	C	P069850		Clark /Joel P	06/01/16	05/31/18	0	41,237	(1,220)
		6934658	C	P069850		Clark /Joel P	06/01/16	01/31/18	15	50,723	4,667
		6934689	C	P400600	102108 NIH0070	Lin /Yingxi	07/01/16	06/30/17	0	11,681	(0)
		6934691	C	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/20	39,005	284,449	(3)
		6934718	C	P159300	5610223-5500000694	Tsai /Li-Huei	07/01/16	06/30/17	0	23,476	(0)
		6934798	C	P039070	SUBAWARD 152772.5906243.0105	Boyden /Edward	09/21/15	06/30/20	9,584	12,106	(339)
		6934831	C	P400600	1-R01-MH111503-01	Wickersham /Ian R.	09/09/16	05/31/20	0	26,760	0
		6934866	C	P159300	1-RF1-AG054012-01	Tsai /Li-Huei	08/01/16	03/31/21	12,201	54,601	(136)
		6934868	C	P067952	1-RF1-AG054012-01	Kellis /Manolis	08/01/16	03/31/21	0	14,787	(0)
		6934903	C	P400600	5-R01-NS098505-02	Feng /Guoping	09/01/16	06/30/20	14,286	55,051	(163)
		6934906	C	P400600	5-R01-NS025529-28	Graybiel /Ann M	07/01/16	06/30/19	(0)	82,544	0
		6934949	C	P065004	DE-EE0007535	Buonassisi /Anthony	08/01/16	01/31/20	21,944	53,774	0
		6934966	C	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/18	0	30,000	30,000
		6935024	C	P039070	SUBAWARD NO. 3004053346	Boyden /Edward	07/01/16	04/30/21	8,989	10,686	(137)
		6935026	C	P165000	PENDING P30ES002109 YEAR 36	Selin /Noelle E	09/01/16	03/31/17	0	1,949	0
		6935030	C	P165000	PENDING P30ES002109 YEAR 36	Schlau-Cohen /Gabriela S	09/01/16	03/31/17	0	1,744	(0)

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		6935068	C	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/17	0	30,151	(0)
		6935071	C	P062000	DE-EE0007531	Stephanopoulos /Gregory	10/01/16	03/31/20	71,067	333,827	18,423
		6935080	C	P154500	1-R01-DC014739-01A1	McDermott /Joshua Hartman	09/01/16	08/31/20	95,233	338,723	2,355
		6935089	C	P400600	1-DP1-HD091947-01	Kanwisher /Nancy	09/30/16	07/31/20	130,178	488,037	(1,487)
		6935178	C	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	87,177	387,444	0
		6935194	C	P159300	4500002204	Miller /Earl K	09/01/16	08/31/21	24,413	91,824	(0)
		6935326	C	P061901	5-R01-GM114190-02	Mirny /Leonid A	06/01/15	05/31/20	0	37,615	(181)
		6935348	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	05/01/17	06/30/17	0	1,343	0
		6935368	C	P159300	1 RF1AG054321-01	Tsai /Li-Huei	09/01/16	03/31/21	18,470	83,803	814
		6935464	C	P069850	DE-EE0007810	Chiang /Yet-Ming	10/01/16	12/31/19	0	46,871	(1,447)
		6935479	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/16	07/31/17	1	32,416	0
		6935554	C	P121110	078620-16205 (GRANT CODE: AC995)	Madnick /Stuart E	10/01/15	09/30/20	107,952	724,350	(119,373)
		6935651	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	09/30/18	0	0	0
		6935727	C	P151000	LETTER DATED FEB 1, 2017	Schwartz /Thomas	07/01/17	06/30/24	235,478	548,548	0
		6935760	C	P153000	NNX15AH72G	Weiss /Benjamin P	09/01/16	03/30/20	30,000	30,000	0
		6935863	C	P095500	GRANT #2016-4961	Stewart /Charles H	11/14/16	09/30/20	(2,568)	200,038	51,780
		6936011	C	P402000	1-R01-CA211184-01	Yilmaz /Omer	12/23/16	11/30/20	66,540	142,404	(561)
		6936036	C	P165000	5P30ES002109-37	Selin /Noelle E	04/01/17	12/31/17	0	1,778	(0)

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		6936039	C	P165000	5P30ES002109-37	Schlau-Cohen /Gabriela S	04/01/17	05/31/17	0	0	0
		6936047	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	55,771	0
		6936048	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	53,503	(0)
		6936097	C	P069201	500489-78051	Griffith /Linda G	08/01/16	07/31/20	9,564	36,354	18,769
		6936118	C	P417000	W911NF-13-D-0001	Soljacic /Marin	03/01/17	12/31/17	0	13,693	0
		6936144	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	06/30/18	0	216,281	(7,200)
		6936166	C	P400600	1-R21-EY025863-01A1	DiCarlo /James	04/01/17	03/31/19	(401)	27,396	(0)
		6936181	C	P441700	MOU DATED 2/2/2017	Freeman /Dennis M	02/01/16	06/30/19	0	20,000	20,000
		6936221	C	P151009	5-R35-GM122538-02	Grossman /Alan Davis	04/01/17	03/31/21	162,523	507,047	(1,857)
		6936244	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/17	06/30/18	0	7,576	(0)
		6936246	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/18	06/30/19	0	7,872	(582)
		6936248	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/19	03/31/20	582	5,861	5,279
		6936252	C	P069850	2-R01-GM102311-05	Gore /Jeff	04/01/17	03/31/20	0	132,560	14,867
		6936279	C	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	167,930	0
		6936355	C	P402100	1(GG012741-01)	Fox /James G	12/07/16	11/30/17	0	6,903	0
		6936434	C	P402100	2(GG012789-02)	Fox /James G	05/12/17	04/30/18	0	12,400	0
		6936445	C	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	0	13,804	(0)
		6936616	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	65,897	0

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		6936696	C	P402000	17-20-47-BIRN	Birnbaum /Michael E	07/01/17	06/30/20	15,179	43,232	0
		6936703	C	P400600	2-R01-MH060379-16	Graybiel /Ann M	07/01/17	03/31/21	24,328	85,477	(817)
		6936711	C	P402100	VUMC 36112	Fox /James G	07/01/17	06/30/18	0	27,607	0
		6936730	C	P151054	2-R01-GM085319-09	Burge /Christopher B	05/01/17	07/31/20	44,051	132,474	(921)
		6936759	C	P402000	4-R00-CA204595-03	Spranger-Zimmermann /Stefani	07/12/17	06/30/20	187,204	449,567	(0)
		6936769	C	P402000	MAS-228292 PO#6535310	White /Forest M	06/01/17	05/31/20	8,572	24,950	(98)
		6936811	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	10/15/20	50,873	92,749	(2,995)
		6936909	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	27,377	0
		6936964	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	27,456	(0)
		6936977	C	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	15,560	(0)
		6936979	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	18,802	0
		6936981	C	P165000	1-P42-ES027707-01	Lauffenburger /Douglas A	08/01/17	03/31/18	0	15,560	(0)
		6936993	C	P402000	2-P01-CA042063-31	Jacks /Tyler E	08/01/17	07/31/20	83,204	256,297	(1,101)
		6937091	C	P402000	1R35ES028374-01	Yaffe /Michael B	09/01/17	07/31/20	146,836	337,450	(0)
		6937164	C	P400600	102108 NIH0070	Lin /Yingxi	07/01/17	06/30/18	0	12,207	(0)
		6937169	C	P159300	5610221-5500000694	Tsai /Li-Huei	07/01/17	06/30/18	0	24,129	0
		6937212	C	P151073	1-R35-GM124732-01	Li /Gene-Wei	09/01/17	08/31/20	84,535	232,666	(5,446)
		6937223	C	P062000	DE-EE0007982	Green /William H	01/15/17	12/31/20	0	4,784	4,784
		6937236	C	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	35,312	0

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		6937245	C	P243020	DE-EE0007871	Bromberg /Leslie	07/01/17	09/30/18	(617)	27,808	(3,588)
		6937270	C	P062000	DE-FE0026489	Halton /Trevor Alan	08/01/17	12/31/20	168,107	182,798	14,692
		6937279	C	P418102	4-R00-AG050749-03	Davis /Joseph Harry	09/01/17	05/31/21	165,069	461,906	(0)
		6937281	C	P266300	NA17OAR4170295	Triantafyllou /Michael S	09/01/17	08/31/20	24,820	26,428	1,608
		6937288	C	P418103	4-R00-GM115765-03	Lamason /Rebecca	09/01/17	08/31/20	166,386	463,178	(0)
		6937339	C	P159300	1-R01-NS102730-01	Tsai /Li-Huei	09/15/17	06/30/20	11,130	29,653	(412)
		6937371	C	P159300	1-R01-MH115037-01	Choi /Bohyun Gloria	09/12/17	06/30/20	39,856	109,466	(0)
		6937416	C	P151000	1R25OD023756	Sassanfar /Mandana	07/01/17	06/30/20	0	15,613	15,613
		6937544	C	P165000	1-R35-ES028303-01	Walker /Graham C	09/15/17	05/31/21	163,134	474,681	(2,112)
		6937548	C	P320000	FME HIGHEFF AGREEMENT 2017-02-02	Barton /Paul I	06/01/17	05/31/21	0	25,152	131
		6937591	C	P400600	1-U01-MH114819-01	Feng /Guoping	09/20/17	05/31/21	68,513	160,228	(783)
		6937610	C	P152000	1-DP2-GM128200-01	Schlau-Cohen /Gabriela S	09/30/17	05/31/22	36,709	95,233	(5,006)
		6937615	C	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	30,279	0
		6937643	C	P069850	2016389	Checkelsky /Joseph	10/01/17	09/30/19	0	0	0
		6937656	C	P400600	1555858	Lin /Yingxi	09/21/17	06/30/18	0	11,059	0
		6937678	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/20	64,608	188,428	(1,507)
		6937679	C	P152000	2-P41-EB015871-31	Schlau-Cohen /Gabriela S	06/18/17	08/31/20	32,627	87,774	(4,449)
		6937680	C	P152000	2-P41-EB015871-31	Bawendi /Moungi G	06/18/17	08/31/20	32,627	94,099	(1,077)

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		6937685	C	P402012	5-R01-CA034992-35	Yilmaz /Omer	09/01/17	03/31/20	10,438	33,394	0
		6937908	C	P402100	1(GG012741-01)	Fox /James G	12/01/17	11/30/18	0	6,865	0
		6937911	C	P069850	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/18	12/31/18	0	0	0
		6938064	C	P159300	SUBAWARD NO.4500002555	Wilson /Matthew A	09/30/17	08/31/20	28	3,805	0
		6938070	C	P402000	0125 G VB305	White /Forest M	09/25/17	08/31/20	5,676	16,473	(67)
		6938073	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	1,097,373	2,056,177	177,518
		6938171	C	P417000	W911NF-13-D-0001	Fang /Xuanlai	01/01/18	12/31/20	3,513	100,000	33,168
		6938172	C	P417000	W911NF-13-D-0001	Wardle /Brian L	01/01/18	12/31/20	52,212	50,000	(29,036)
		6938173	C	P417000	W911NF-13-D-0001	Kolle /Mathias	01/01/18	12/31/20	34,697	100,000	21,643
		6938174	C	P417000	W911NF-13-D-0001	Nelson /Keith Adam	01/01/18	12/31/20	55,515	100,000	(29,374)
		6938175	C	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/18	12/31/20	20,016	100,000	(9,666)
		6938176	C	P417000	W911NF-13-D-0001	Holten-Andersen /Niels	01/01/18	12/31/20	5,751	25,000	570
		6938177	C	P417000	W911NF-13-D-0001	McKinley /Gareth H	01/01/18	12/31/20	14,003	25,000	(2,248)
		6938178	C	P417000	W911NF-13-D-0001	Olsen /Bradley D.	01/01/18	12/31/20	20,557	25,000	(798)
		6938179	C	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/18	12/31/20	6,724	25,000	217
		6938180	C	P417000	W911NF-13-D-0001	Kong /Jing	01/01/18	12/31/20	6,874	16,667	(3,472)
		6938181	C	P417000	W911NF-13-D-0001	Palacios /Tomas	01/01/18	12/31/20	617	16,667	14,481
		6938182	C	P417000	W911NF-13-D-0001	Swager /Timothy M	01/01/18	12/31/20	0	33,334	(277)

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		6938203	C	P400600	1-R01-NS106031-01	Harnett /Mark Thomas	04/01/18	03/31/21	29,919	81,864	8,548
		6938212	C	P066000	17-S33	Hu /Juejun	12/15/17	12/14/19	0	0	0
		6938218	C	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/18	12/31/20	15,364	90,000	(10,769)
		6938233	C	P095500	AGMT. DTD. 04/02/18	Hidalgo /Fernando Daniel	02/01/18	09/30/20	0	12,302	2,762
		6938245	C	P159300	4DP2DK102256-02	Tye /Kay M.	07/01/18	08/31/19	(433)	70,715	0
		6938268	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/18	12/31/18	0	230,288	0
		6938296	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	59,288	0
		6938297	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	55,502	0
		6938314	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	375	42,694	(0)
		6938315	C	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	35,588	(0)
		6938327	C	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	15,777	(0)
		6938329	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	0	0	0
		6938331	C	P165000	5 P42 ES027707-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	15,777	0
		6938368	C	P039070		Boyden /Edward	09/01/17	07/31/20	44,945	68,241	(1,038)
		6938382	C	P039070	5-R01-NS102727-02	Boyden /Edward	07/01/17	03/31/21	34,617	31,631	(3,909)
		6938383	C	P417000	W911NF-13-D-0001	Johnson /Steven G	01/01/18	12/31/20	16,478	100,000	(17,096)
		6938410	C	P039070	1-R01-EB024261-01	Boyden /Edward	07/15/17	04/30/21	69,180	65,752	(3,428)
		6938416	C	P039070	1-R01-MH114031-01	Boyden /Edward	08/25/17	06/30/20	31,992	51,181	3,173

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		6938417	C	P400600	1-R01-MH114031-01	Desimone /Robert	08/25/17	06/30/20	14,684	42,738	(168)
		6938484	C	P402000	2-R01-GM034277-33	Sharp /Phillip A	06/01/18	05/31/21	52,681	114,588	(1,185)
		6938521	C	P039070	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	05/31/21	11,313	16,625	(341)
		6938522	C	P159300	SUBAWARD NO. 231125	Wilson /Matthew A	08/03/17	05/31/18	0	23,665	0
		6938538	C	P402000	MRA TEAM SCIENCE AWARD #565436	White /Forest M	06/01/18	05/31/20	22,205	66,666	29,335
		6938555	C	P154500	7-R01-MH107680-04	Halassa /Michael	02/01/18	04/30/19	0	3,994	0
		6938597	C	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	7	169,622	(0)
		6938605	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	30,700	(0)
		6938609	C	P402010	MRA TEAM SCIENCE AWARD #565436	Birnbaum /Michael E	06/01/18	05/31/20	32,444	133,334	50,271
		6938611	C	P402012	MRA TEAM SCIENCE AWARD #565436	Spranger-Zimmermann /Stefani	06/01/18	05/31/20	37,122	133,334	30,199
		6938613	C	P402010	MRA TEAM SCIENCE AWARD #565436	Wittrup /Karl Dane	06/01/18	05/31/20	20,986	66,666	18,141
		6938683	C	P069850	EXHIBIT 1-A	Tibbits /Skylar	05/08/18	05/07/19	0	25,504	0
		6938697	C	P400600	1-R01-MH111916-01A1	Desimone /Robert	05/08/18	02/28/21	44,051	89,672	(503)
		6938703	C	P154500	5-R01-NS098505-02	Halassa /Michael	09/01/17	06/30/20	50,921	145,356	(0)
		6938705	C	P400600	1-R01-MH111916-01A1	Feng /Guoping	05/08/18	02/28/21	14,684	29,840	(168)
		6938734	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	(9)	74,587	0
		6938753	C	P159300	229428	Sur /Mriganka	09/30/16	06/30/20	0	55,525	12,718
		6938771	C	P402012	5-U01-CA184897-05	Gertler /Frank	06/01/18	05/31/20	14,406	28,293	0

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		6938869	C	P066000	80MSFC18M0033	Schuh /Christopher A	06/21/18	06/20/19	1,748	55,781	0
		6938876	C	P402000	1-R01-EB025854-01	Irvine /Darrell J	06/15/18	03/31/21	52,629	96,928	(6,369)
		6938908	C	P418101	AGT DATED 6/15/18	Calo Velazquez /Eliezer	07/01/18	06/30/20	33,921	46,462	12,541
		6938923	C	P402100	VUMC 36112	Fox /James G	07/01/18	06/30/19	0	27,773	0
		6938960	C	P402100	2(GG012789-08)	Fox /James G	05/01/18	04/30/19	0	12,221	(0)
		6939033	C	P165000	19-4-80311	Dedon /Peter C	01/01/18	08/31/20	8,218	23,803	(210)
		6939130	C	P402010	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	27,541	0
		6939135	C	P402000	0255-8673-4609	Love /John C	06/01/18	05/31/19	0	5,661	(0)
		6939162	C	P159300	SUBAWARD NO. 230203	Miller /Earl K	02/01/18	01/31/21	16,152	31,292	(429)
		6939192	C	P417500	DE-FE0031668	Tuller /Harry L	08/17/18	08/16/20	129,618	125,636	(3,982)
		6939226	C	P069850	DE-EE0008316	Allanore /Antoine	05/15/18	07/31/20	112,663	109,012	(3,651)
		6939274	C	P159300	5610225-5500000694	Tsai /Li-Huei	07/01/18	06/30/19	(0)	18,966	0
		6939565	C	P152000	CHE-1828570	Nelson /Keith Adam	08/15/18	07/31/21	56,391	226,520	170,129
		6939632	C	P159300	1-RF1-AG062377-01 REVISED	Tsai /Li-Huei	09/30/18	06/30/23	36,243	66,893	(409)
		6939641	C	P159300	1-R01-AG062335-01	Tsai /Li-Huei	09/30/18	05/31/21	12,224	23,989	(457)
		6939656	C	P159300	1-R01-MH115920-01	Tye /Kay M.	06/26/18	03/31/19	(215)	24,422	(0)
		6939691	C	P159300	1-U01-NS110453-01	Tsai /Li-Huei	09/30/18	08/31/19	0	11,227	(0)
		6939782	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/20	29,299	242,000	198,734

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		6939812	C	P067952	114963-5104790	Barzilay /Regina	07/15/18	03/31/21	300	852	(729)
		6939862	C	P400600	132692-5106604	Feng /Guoping	07/01/18	03/31/24	38,162	74,510	(436)
		6939863	C	P065004	DE-EE0008381	Henry /Asegun S	05/31/18	12/31/20	56,277	56,277	(1)
		6939864	C	P065004	DE-EE0008375	Henry /Asegun S	05/15/18	09/30/20	28,124	56,278	15
		6939865	C	P400600	1 RF1 MH117809-01	Fee /Michale Sean	09/21/18	09/20/21	63,612	119,666	(727)
		6939878	C	P400600	1U24OD026638-01	Feng /Guoping	09/01/18	07/31/20	30,903	62,101	539
		6939949	C	P065004	14000388-014	Henry /Asegun S	10/01/18	09/30/20	56,271	93,552	6
		6939980	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/18	07/31/20	0	0	(21,145)
		6939987	C	P165000	19-23-80301	Dedon /Peter C	06/01/18	05/31/19	0	7,851	0
		6940021	C	P417000	W911NF-13-D-0001	Joannopoulos /John	09/01/18	12/31/18	0	38,091	0
		6940023	C	P402100	1(GG012741-03)	Fox /James G	12/01/18	11/30/19	2,354	6,948	(0)
		6940119	C	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/19	12/31/20	38,923	50,000	(290)
		6940126	C	P400600	1-R01-EY029666-01	Desimone /Robert	01/01/19	12/31/20	57,257	87,302	(654)
		6940130	C	P159300	7-R01-AG058002-02	Tsai /Li-Huei	06/15/18	05/31/20	12,540	23,465	179
		6940141	C	P402000	NNX16A069A/PO#70000043	Langer /Robert S	11/01/18	10/31/19	10,421	45,221	0
		6940142	C	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	0	393,693	393,693
		6940186	C	P065005	DE-FE0031677	Wang /Evelyn	10/01/18	09/30/21	0	0	0
		6940190	C	P152000	6323401	Johnson /Jeremiah A.	09/01/18	08/31/19	0	33,954	(0)

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		6940200	C	P402000	2-R01-CA168653-06A1	Vander Heiden /Matthew G.	12/13/18	11/30/19	10,481	29,619	0
		6940250	C	P159300	N00014-19-1-2036	Nedivi /Elly	01/18/19	01/17/23	42,788	51,782	(11,342)
		6940357	C	P066000	A007462901	Ross /Caroline A	10/01/18	12/31/20	19,162	43,093	(4)
		6940358	C	P417000	W911NF-13-D-0001	Raskar /Ramesh	01/01/19	12/31/20	0	25,000	25,000
		6940359	C	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/19	12/31/20	6,541	25,000	693
		6940402	C	P039070	SP0046269-PROJ001311	Boyden /Edward	09/30/18	07/31/20	26,761	26,396	(365)
		6940413	C	P065004	SUB3-00233	Asada /Haruhiko	08/01/18	10/14/19	0	145,976	35,624
		6940452	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	0	27,628	(0)
		6940461	C	P165000	3P42ES027707-03	Engelward /Bevin P	04/01/19	03/31/20	36,676	36,518	(158)
		6940462	C	P165000	3P42ES027707-03	Selin /Noelle E	04/01/19	03/31/20	36,676	36,518	(158)
		6940476	C	P165000	5P42ES027707-02 REVISE	Lauffenburger /Douglas A	04/01/19	03/31/20	34,153	16,129	(18,024)
		6940489	C	P165000	5P30ES002109-39	Tat /Amanda	04/01/19	03/31/20	65,827	58,834	(6,993)
		6940490	C	P165000	5P30ES002109-39	Tat /Amanda	04/01/19	03/31/20	0	55,941	0
		6940517	C	P159300	2-R01-MH104536-06	Littleton /J. Troy	12/01/18	12/31/20	31,806	41,697	(360)
		6940555	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	05/01/19	05/31/20	119,374	109,178	(23,382)
		6940579	C	P267500	DE-EE0008558	Kim /Jeewan	03/01/19	02/28/21	0	5,909	5,909
		6940609	C	P402000	1-R01-CA226898-01A1	Yaffe /Michael B	12/07/18	11/30/20	(1,229)	20,530	(5,624)
		6940741	C	P067952	120368	Golland /Polina	09/22/18	06/30/20	19,272	56,640	(336)

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		6940749	C	P159300	5-R21-NS105070-02	Nedivi /Elly	09/30/17	08/31/20	24,449	69,214	44,764
		6940768	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	130,303	113,796	(16,506)
		6940788	C	P154500	2-R01-EY020517-07	Sinha /Pawan	07/01/18	06/30/20	47,723	77,878	(545)
		6940835	C	P039070	01061188	Boyden /Edward	08/23/18	05/31/20	7,934	0	(7,934)
		6940844	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/19	12/31/19	107,924	125,613	(111,782)
		6941014	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	157,286	183,002	7,659
		6941016	C	P065004	72026319CA00003	Ghoniem /Ahmed F	02/20/19	02/19/24	0	187,000	187,000
		6941030	C	P061096	AGREEMENT DTD 2/6/19	Tan /Choon S	01/01/19	12/31/20	5,883	5,883	(0)
		6941035	C	P159300	18-A0-00-1001558-01; PO: M190200494	Wilson /Matthew A	07/12/18	04/30/19	(10,114)	18,368	0
		6941040	C	P402100	2(GG012789-02)	Fox /James G	05/01/19	04/30/20	11,797	12,554	(1,672)
		6941132	C	P402000	1-U01-CA238720-01	White /Forest M	06/01/19	05/31/20	16,689	16,981	291
		6941156	C	P061094	7000000324 / TRISH PROJ# DS002	Hoffman /Jeffrey A	10/01/16	09/30/20	35,072	35,072	(0)
		6941257	C	P402100	VJMC 36112	Fox /James G	07/01/19	06/30/20	28,813	28,484	(329)
		6941283	C	P039070	573341	Boyden /Edward	11/15/17	05/31/19	10,231	10,231	0
		6941295	C	P039070	2017-0524/PO#AIP044539	Boyden /Edward	12/01/17	05/31/19	15,558	15,558	0
		6941407	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	11/28/20	16,450	16,184	(266)
		6941417	C	P402000	SUBK00011520	Yaffe /Michael B	06/01/19	05/31/21	5,563	5,563	0
		6941451	C	P152000	1-R35-GM133580-01	Zhang /Bin	08/01/19	05/31/21	72,004	72,004	(0)

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		6941460	C	P402000	1-R01-CA233477-01A1	Hemann /Michael	08/14/19	07/31/20	26,425	26,311	(114)
		6941464	C	P159300	1-R21-MH120440-01	Littleton /J. Troy	06/01/19	04/30/21	35,390	31,649	(3,742)
		6941523	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	28,573	28,247	(326)
		6941533	C	P400600	1-R01-NS113079-01	Harnett /Mark Thomas	08/15/19	08/31/20	36,435	36,435	(0)
		6941542	C	P400600	1-R01-MH122025-01	Jazayeri /Mehrdad	08/19/19	05/31/21	59,311	59,310	(0)
		6941549	C	P062000	RESEARCH AGREEMENT NO. 1247163	Brushett /Fikile R	04/22/19	03/31/20	34,363	37,229	2,866
		6941581	C	P400600	1-R01-NS113245-01	Feng /Guoping	07/01/19	08/31/20	15,466	15,289	(177)
		6941582	C	P400600	1-R01-NS113245-01	Halassa /Michael	07/01/19	08/31/20	23,398	23,841	443
		6941604	C	P159300	5610226-5500000694	Tsai /Li-Huei	07/01/19	06/30/20	19,132	15,328	(3,804)
		6941798	C	P069201	SUBAWARD NO. T0060	Weiss /Ron	10/01/19	07/05/20	42,806	92,178	49,373
		6941807	C	P417000	W911NF-13-D-0001	Win /Moe Z	07/01/19	12/31/20	0	50,000	50,000
		6941813	C	P069400	PC2.1-036	Braatz /Richard D	09/01/19	08/31/20	105,621	102,032	(3,589)
		6941815	C	P069400	PL1.0-006	Van Vliet /Krystyn J	09/03/19	09/02/20	0	41,575	41,575
		6941822	C	P159300	5-U01-MH117072-02	Chung /Kwanghun	06/01/19	05/31/20	64,956	69,362	4,406
		6941832	C	P402000	1R35CA242379-01	Vander Heiden /Matthew G.	09/01/19	08/31/20	145,727	134,226	(11,501)
		6941846	C	P039070	AGREEMENT DTD 09/13/2018	Boyden /Edward	09/13/18	08/31/19	10,027	10,027	(0)
		6941847	C	P159300	1DP2ES027992	Chung /Kwanghun	09/30/16	06/30/21	52,783	59,873	7,090
		6941855	C	P065005	DE-AR0001130	Wang /Evelyn	06/14/19	11/21/20	0	0	0

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		6941864	C	P153000	65H-S445820	Weiss /Benjamin P	09/01/19	08/31/21	0	16,454	16,454
		6941865	C	P039070	2(GG014507)	Boyden /Edward	09/30/18	09/29/20	3,365	3,321	(44)
		6941869	C	P063007	092266-17209	Juanes /Ruben	10/01/18	09/30/20	78,822	77,790	(1,032)
		6941946	C	P159300	1-U01-MH117072-01	Chung /Kwanghun	08/22/18	05/31/19	37,098	37,098	0
		6941958	C	P159300	1-U01-MH119509-01	Tsai /Li-Huei	06/01/19	05/31/20	8,067	8,208	141
		6941959	C	P402000	357361	Hemann /Michael	06/10/19	05/31/20	26,957	26,311	(646)
		6941967	C	P066000	SUBCONTRACT RESEARCH AGREEMENT DATED 10-24-2019	Chiang /Yet-Ming	07/31/19	01/30/21	4,591	8,697	4,105
		6941993	C	P417000	W911NF-13-D-0001	Bulovic /Vladimir	10/01/19	12/31/20	37,402	50,000	12,598
		6942003	C	P069201	152561.5112601.0002	Grodzinsky /Alan J	09/18/19	07/31/20	14,106	13,749	(357)
		6942052	C	P402000	307	Langer /Robert S	09/30/19	09/30/21	49,351	24,760	(24,591)
		6942067	C	P400600	5-U01-MH114819-03	Boyden /Edward	09/20/17	05/31/20	8,692	22,222	13,530
		6942068	C	P039070	5101211-5500001186	Boyden /Edward	03/28/18	06/30/20	15,304	24,088	8,785
		6942069	C	P039070	A19-1044-S004	Boyden /Edward	09/30/18	06/30/20	7,157	0	(7,157)
		6942086	C	P039070	1-RF1-DA049005-01	Boyden /Edward	08/15/19	07/31/22	6,954	6,875	(79)
		6942116	C	P402000	1(GG012140)/PO G10545	Vander Heiden /Matthew G.	12/01/15	11/30/20	19,702	16,305	(3,398)
		6942215	C	P320000	SC00013-UCLA	Anthony /Brian	04/01/19	09/30/20	0	75,675	75,675
		6942232	C	P039070	103076-00001/NIH113	Boyden /Edward	09/15/19	06/30/20	6,954	6,493	(461)
		6942243	C	P417000	W911NF-13-D-0001	Bathe /Mark	12/01/19	12/31/20	8,560	0	(8,560)

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		6942272	C	P159300	1-UG3-NS115064-01	Tsai /Li-Huei	09/20/19	05/31/24	27,509	30,408	2,900
		6942299	C	P152000	6323401	Johnson /Jeremiah A.	09/01/19	08/31/20	37,014	37,014	0
		6942348	C	P061093	PO 15-000002	Crawley /Edward F	07/01/18	12/31/19	23,996	23,996	(0)
		6942471	C	P400600	2000 G XH151	Jazayeri /Mehrdad	09/30/19	09/29/20	0	38,571	38,571
		6942537	C	P417500	SA-19-31	Olivetti /Elsa A	02/01/20	01/31/21	34,663	140,000	105,337
		6942727	C	P402000	234408	Birnbaum /Michael E	05/01/19	04/30/24	12,192	10,668	(1,524)
		6942729	C	P039070	A007605201	Boyden /Edward	09/01/19	08/31/22	10,580	10,580	(0)
		6942738	C	P068700	SA1712153	Ilic /Marija	08/01/19	07/31/20	0	0	0
		6942744	C	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/20	12/31/20	0	0	0
		6942748	C	P402100	1(GG012741-04)	Fox /James G	12/01/19	11/30/20	4,005	3,783	(222)
		6942775	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/21	43,400	28,247	(15,154)
		6942857	C	P031000	DE-AR0001133	Goulthorpe /Mark	03/09/20	09/08/20	75,512	243,013	167,501
		6942887	C	P402000	1-R21-AI151827-01	Hemann /Michael	03/01/20	02/28/21	8,770	8,770	0
		6942900	C	P402000	226618-OPP1126222	Irvine /Darrell J	10/01/19	09/30/20	0	23,461	23,461
		6942903	C	P402000	PO#7000001107/NNX16A09A	Langer /Robert S	04/01/20	03/31/21	9,870	9,870	(0)
		6942951	C	P165000	5P30ES002109-39	Tat /Amanda	04/01/20	03/31/21	26,618	18,734	(7,885)
		6942952	C	P165000	5P30ES002109-39	Tat /Amanda	04/01/20	03/31/21	84,072	57,475	(26,597)
		6942966	C	P165000	5P42ES027707-03 REVISE	Engelward /Bevin P	04/01/20	03/31/21	7,872	8,326	454

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		6942967	C	P165000	5P42ES027707-03 REVISE	Selin /Noelle E	04/01/20	03/31/21	41,525	37,467	(4,057)
		6942973	C	P165000	5P42ES027707-03 REVISE	Lauffenburger /Douglas A	04/01/20	03/31/21	21,480	16,548	(4,932)
		6942997	C	P066000	DE-EE0008830	Tasan /Cemal	10/01/19	02/28/23	19,537	22,196	2,659
		6943025	C	P402000	6000157-5500001390	Hemann /Michael	01/01/20	12/31/20	3,494	3,494	(0)
		6943048	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	0	0	0
		6943102	C	P039070	PO#1000001612/SUBAWA D F201577-1	Boyden /Edward	01/01/20	10/31/20	2,618	2,618	0
		6943105	C	P417500	UGA-0-41029-23	Olivetti /Elsa A	04/16/20	09/30/22	0	0	0
		6943115	C	P400600	1R01MH121802-01	Desimone /Robert	04/07/20	01/31/21	0	6,153	6,153
		6943116	C	P400600	1R01MH121802-01	Feng /Guoping	04/07/20	01/31/21	0	6,153	6,153
		6943118	C	P039070	2-R01-DA029639-09	Boyden /Edward	04/01/20	01/31/21	3,135	0	(3,135)
		6943168	C	P159300	1-U01-NS110453-02	Tsai /Li-Huei	09/30/18	08/31/20	12,224	12,402	178
		6943173	C	P402000	1-R01-EB027717-01A1	Langer /Robert S	02/01/20	11/30/20	0	0	0
		6943177	C	P400600		Graybiel /Ann M	04/15/20	03/31/21	0	9,404	9,404
		6943180	C	P067952	5-U01-NS110453-02	Kellis /Manolis	09/01/19	08/31/20	0	0	0
		6943227	C	P402000	2-P30-CA014051-49	Jacks /Tyler E	05/01/20	04/30/21	34,403	297,876	263,473
		6943234	C	P151045	5-R01-DK115558-03	Baker /Tania	09/01/17	06/30/20	82,504	49,225	(33,279)
		6943311	C	P152000	1R35GM136354-01	Shoulders /Matthew D.	03/01/20	04/30/21	0	0	0
		6943317	C	P402100	2(GG012789-02)	Fox /James G	05/01/20	04/30/21	2,540	0	(2,540)

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		6943338	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	05/01/19	08/31/20	0	0	0
		6943415	C	P159300	1-U01-AG066757-01	Tsai /Li-Huei	05/15/20	04/30/21	0	12,381	12,381
		6943417	C	P065005	SOW 21645	Slocum /Alexander H	04/21/20	10/30/20	0	200,000	200,000
		6943433	C	P402000	5-U01-CA238720-02	White /Forest M	06/01/20	05/31/21	0	0	0
		6943442	C	P095500	1908-17912	Kim /In Song	07/01/20	06/30/22	0	21,971	21,971
		6943443	C	P069400	PC2.1-037	Han /Jongyoon	06/15/20	12/14/20	0	0	0
		6943470	C	P062000	W81XWH2010481	Hammond /Paula T	07/01/20	06/30/23	0	0	0
		6943480	C	P039070	4500003437	Boyden /Edward	03/01/20	01/31/21	7,757	6,273	(1,485)
	Total by Primary Sponsor								10,785,822	44,333,613	3,062,607
009990 Accounts Canceled	009990 Accounts Canceled	6919334	C	P066000	CANCELLED	Stellacci /Francesco	03/01/09	03/01/09	0	0	0
		6932343	C	P153000	ACCOUNT CANCELED	Weiss /Benjamin P	07/25/15	07/25/15	0	0	0
		6938400	C	P266300	NA18OAR4170105	Chrysostomidis /Chrysostomo	02/01/18	02/01/18	(335)	0	0
		6939079	C	P066000	ACCOUNT CANCELLED	Hu /Juejun	07/02/18	07/02/18	0	0	0
		6939498	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	(1,015)	0	0
		6939966	C	P065004	ACCOUNT CANCELLED	Guo /Ming	09/01/18	09/01/18	0	0	0
		6940696	C	P320000		Ghoniem /Ahmed F	04/15/19	04/15/19	0	0	0
		6940813	C	P067952	CONTRACT NO. 5562031	Barzilay /Regina	06/15/19	06/15/19	0	0	0
		6940979	C	P243020	ACCOUNT CANCELLED	Irby /James Henderson	06/01/19	06/01/19	(1,463)	0	0

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		6941140	C	P067952	ACCOUNT CANCELLED	Kellis /Manolis	06/01/19	06/01/19	0	0	0
		6941208	C	P402100	ACCOUNT CANCELLED	Fox /James G	07/01/19	07/01/19	0	0	0
		6941215	C	P165000	ACCOUNT CANCELLED	Nolan /Elizabeth Marie	07/01/19	07/01/19	0	0	0
		6941377	C	P064000		Ozdaglar /Asuman E	07/01/19	07/01/19	0	0	0
		6941424	C	P063007	ACCOUNT CANCELLED	Bourouiba /Lydia	07/01/19	07/01/19	0	0	0
		6942173	C	P267200	ACCOUNT CANCELLED	Oliver /William D	09/13/19	09/13/19	0	0	0
		6942339	C	P267300	ACCOUNT CANCELLED	O'Brien /Kevin	09/13/19	09/30/20	0	0	0
		6942366	C	P067952	CANCELLED	Kraska /Tim	01/01/20	01/01/20	0	0	0
		6942695	C	P066000	ACCOUNT CANCELLED	Olivetti /Elsa A	09/01/19	01/01/20	0	0	0
		6942758	C	P320000	ACCOUNT CANCELLED	McKinley /Gareth H	01/15/20	01/15/20	0	0	0
		6942867	C	P266300	U16-001-RPP013	Triantafyllou /Michael S	03/01/20	03/01/20	0	0	0
		6943060	C	P065004	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16	Benjamin /Michael R	02/15/20	02/15/20	0	0	0
		6943231	C	P310000	ACCOUNT CANCELLED	Ward /Bryan	05/01/20	05/01/20	0	0	0
		6943398	C	P065004	U16-001-RPP017	Benjamin /Michael R	04/25/20	04/25/20	5,000	0	(5,000)
		Total by Primary Sponsor									2,187
010004 Total S.A.	010004 Total S.A.	6918620	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Armstrong /Robert C	09/01/08	08/31/20	0	108,749	108,749
		6918621	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Malcolm /Alison E	06/01/09	12/31/11	0	204,511	(0)
		6918622	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Malcolm /Alison E	01/01/10	12/31/14	0	814,230	(0)

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		6918623	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Demanet /Laurent	06/01/10	08/31/21	341,368	4,795,905	609,693
		6918624	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Fehler /Michael C	06/01/10	05/31/15	0	499,994	(0)
		6920479	C	P320000	PO 4505194092	Sadoway /Donald Robert	09/01/09	06/30/17	0	5,366,457	0
		6921247	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	van der Hilst /Robert D	01/01/09	08/31/14	0	300,000	0
		6921248	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	van der Hilst /Robert D	06/01/09	05/31/15	0	534,754	(0)
		6922583	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 CODE	Gleason /Karen K	10/01/10	12/31/12	0	263,419	(0)
		6922672	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Malnati /Christine M	09/01/09	08/31/13	0	400,000	0
		6923166	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Sadoway /Donald Robert	11/18/10	04/01/11	0	25,015	0
		6928772	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RPP, PO 1030139201	Allen /Samuel Miller	09/01/13	09/30/14	0	77,185	(0)
		6929145	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RPP, PO 1030139201	Allen /Samuel Miller	09/01/13	04/15/14	0	17,680	0
		6929611	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Hager /Bradford H	04/01/14	12/31/20	0	5	5
		6929612	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Hager /Bradford H	04/01/14	03/31/18	0	3,263,118	0
		6929613	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Einstein /Herbert H	02/01/14	03/31/18	0	1,054,710	(0)
		6929614	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Williams /John R	04/01/14	12/31/20	73,288	988,803	6,918
		6932960	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RPP	Buonassisi /Anthony	10/01/15	09/30/20	440,521	950,000	(34,010)
		6936998	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Pellenq /Roland Jm	07/01/17	12/31/20	492,698	1,496,659	653
		6936999	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Pellenq /Roland Jm	07/01/17	06/30/20	0	446,748	143,334
		6938985	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Demanet /Laurent	07/01/18	06/30/21	536,844	1,330,829	569,121
	Total by Primary Sponsor								1,884,718	22,938,773	1,404,463

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010022 Templeton Foundation	005265 Boston College	6940584	C	P121012	5107321-03	Rand /David Gertler	12/03/18	12/02/20	151,019	212,456	27,066
	010022 Templeton Foundation	6942148	C	P402100	ID# 61328	Erdman /Susan E	12/01/19	11/30/22	25,967	652,609	626,642
		6942795	C	P402100	ID# 61328	Alm /Eric J	12/01/19	11/30/20	0	45,000	45,000
	Total by Primary Sponsor								176,986	910,065	698,708
010025 Isavia	010025 Isavia	6940455	C	P061093	AGREEMENT DTD 2/15/19	Hansman /Robert J	02/01/19	02/29/20	71,115	109,998	120
	Total by Primary Sponsor								71,115	109,998	120
010052 Singapore-MIT Alliance for Research and Technology Centre	001139 National Research Foundation	6916220	C	P401862	MOD8	Dedon /Peter C	01/01/18	12/31/22	0	0	0
		6916222	C	P165000		Dedon /Peter C	01/01/18	12/31/22	117,271	193,809	(17,744)
		6916223	C	P069201		Alm /Eric J	01/01/18	12/31/22	138,393	169,192	(51,716)
		6916224	C	P402012		Chen /Jianzhu	01/01/18	12/31/22	170,313	260,978	(40,497)
		6916225	C	P069201		Lu /Timothy K	01/01/18	12/31/22	26,755	174,293	32,413
		6916226	C	P069201		Sasisekharan /Ram	01/01/18	12/31/22	72,173	275,613	46,814
		6916227	C	P062000		Hammond /Paula T	01/01/18	12/31/22	51,543	161,570	476
		6916228	C	P062000		Sikes Johnson /Hadley	01/01/18	12/31/22	64,279	155,924	(6,172)
		6916229	C	P165000		Dedon /Peter C	01/01/18	12/31/22	0	45,293	32,093
		6939999	C	P267110	MOD8	Han /Jongyoon	10/01/18	12/31/22	79,411	111,656	(9,480)
	010052 Singapore-MIT Alliance for Research and Technology Centre	6927810	C	P165000	MOU DATED 1/21/09	Tannenbaum /Steven R	05/01/13	08/31/13	0	8,881	0
		6927811	C	P165000	MOU DATED 1/21/09	Dedon /Peter C	06/01/13	11/30/13	0	10,141	(0)

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		6927812	C	P165000	MOU DATED 1/21/09	Dedon /Peter C	05/01/13	11/30/13	0	10,141	(0)
		6928004	C	P165000	MOU DATED 1/21/09	Engelward /Bevin P	06/15/13	12/31/13	0	9,815	(0)
		6928005	C	P165000	MOU DATED 1/21/09	Engelward /Bevin P	06/15/13	12/31/13	0	9,815	(0)
		6931787	C	P063007	MOU DATED 1/21/09	Thompson /Janelle Renee	03/01/15	08/31/15	0	9,157	0
		6934969	C	P165000	MOU DATED 1/21/09	Dedon /Peter C	08/01/16	12/31/16	0	8,961	(0)
		Total by Primary Sponsor							720,137	1,615,241	(13,815)
010063 Masdar Institute of Science and Technology	010063 Masdar Institute of Science and Technology	6933508	C	P401801	AGREEMENT DATED OCTOBER 25, 2011	Barton /Paul I	04/01/16	05/31/18	0	485,749	(0)
		6938848	C	P065005	AGREEMENT DATED OCTOBER 25, 2011	Wang /Evelyn	06/01/18	08/31/19	(309)	279,483	0
		6938849	C	P031000	AGREEMENT DATED OCTOBER 25, 2011	Wescoat /James	06/01/18	08/31/19	11,556	115,359	(11,556)
		6938850	C	P065004	AGREEMENT DATED OCTOBER 25, 2011	Kim /Jeehwan	05/29/18	10/30/20	(17,228)	1,019,474	(1,303)
		6938851	C	P031000	AGREEMENT DATED OCTOBER 25, 2011	Wescoat /James	06/01/18	12/31/19	132,722	247,606	3,030
		6938852	C	P066000	AGREEMENT DATED OCTOBER 25, 2011	Fitzgerald /Eugene A	06/01/18	10/31/20	65,320	265,467	403
		6938853	C	P066000	AGREEMENT DATED OCTOBER 25, 2011	Grossman /Jeffrey C.	11/01/17	10/31/20	12,311	262,854	(187)
		6938854	C	P267500	AGREEMENT DATED OCTOBER 25, 2011	Leeb /Steven B	06/01/18	10/31/20	243,531	503,543	105,334
		6938855	C	P267110	AGREEMENT DATED OCTOBER 25, 2011	Perreault /David J	06/01/18	10/31/20	172,559	599,679	107,028
		6938856	C	P267500	AGREEMENT DATED OCTOBER 25, 2011	Kirtley /James L	06/01/18	10/31/20	186,331	568,419	38,935
		6938857	C	P067952	AGREEMENT DATED OCTOBER 25, 2011	Williams /Brian C	06/01/18	11/30/20	399,390	500,000	8,377
		6938858	C	P153000	AGREEMENT DATED OCTOBER 25, 2011	Marshall /John C	06/01/18	02/28/21	151,930	473,784	139,281

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	Total by Primary Sponsor								1,358,112	5,321,419	389,343
010085 The Broad Institute, Inc.	010085 The Broad Institute, Inc.	6933926	C	P402000	I9-A9-077	Yaffe /Michael B	01/01/16	12/31/16	(204)	253,694	0
	Total by Primary Sponsor								(204)	253,694	0
010095 GS1	010095 GS1	6895760	C	P065005	RES. AGMT. EFF. 10/1/03	Sarma /Sanjay E	10/01/03	09/30/17	0	14,560,000	(31,837)
	Total by Primary Sponsor								0	14,560,000	(31,837)
010100 Siemens Corporation, Corporate Technology	010100 Siemens Corporation, Corporate Technology	6918840	C	P320000	SIEMENS CKI MITEI SUSTAINING MEMBER AGMT. 9/30/08	Armstrong /Robert C	09/30/08	08/31/16	0	38,931	38,931
		6918841	C	P320000	MIT CKI-2008-SEI-001-TAN	Tan /Choon S	07/01/09	01/31/15	0	664,062	(0)
		6918842	C	P320000	MIT CKI-2008-SIEMENS ENERGY-001-HATTON	Hatton /Trevor Alan	10/01/08	09/30/10	0	609,865	0
		6918843	C	P320000	MITCKI-2008-OSRAM-001-LARSON	Larson /Kent	06/01/09	09/30/10	0	171,562	(0)
		6918844	C	P320000	MITCKI-2008-SIEMENSCT MM1-001-BAWENDI	Bawendi /Moungi G	07/01/09	05/31/11	0	135,000	(0)
		6918845	C	P320000	MITCKI-2009-SIEMENS HTC-001-ZAHN	Zahn /Markus	09/01/09	06/30/14	0	481,712	0
		6920884	C	P320000	MITCKI-2009-SIEMENS HTC-001-ZAHN	Zahn /Markus	09/01/09	06/30/13	0	18,101	0
		6921265	C	P320000	MITCKI-2008-SEI-002-TAN	Tan /Choon S	01/01/10	02/28/15	0	698,490	(0)
		6922702	C	P320000	MIT_CKI-2010-CTT_US-002-ANNASWAMY	Annaswamy /Anuradha M	09/01/10	12/31/11	0	150,000	(0)
		6922789	C	P320000	MITCKI-2010-CTT_US-003 KLEIN	Klein /Mark	09/15/10	09/30/13	0	400,000	0
		6923357	C	P320000	MITCKI-2010-OSRAM-001-LARSON	Larson /Kent	09/01/10	08/31/13	0	402,171	(0)
		6923471	C	P320000	MITCKI-2010_CIT_US-001 HATTON	Hatton /Trevor Alan	10/01/10	11/30/12	0	246,990	0
		6923472	C	P320000	MITCKI-2010_CIT_US-002 HATTON	Hatton /Trevor Alan	10/01/10	05/31/13	0	100,000	(0)

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		6923473	C	P320000	MIT-CKI-2010-CTT_US-001-EPPINGER	Eppinger /Steven D	09/15/10	10/31/14	0	96,285	0
		6923711	C	P320000	MIT-CKI-2010-CTT_US-001-PERREALT	Perreault /David J	11/01/10	06/30/12	0	70,000	(0)
		6924365	C	P320000	MIT-CKI-2011-ENERGY-002-PERREALT	Perreault /David J	07/01/11	08/31/12	0	69,999	(0)
		6924613	C	P320000	SIEMENS - MIT CKI 2011 - ENERGY-001-TAN	Tan /Choon S	08/01/11	04/30/16	0	640,000	(0)
		6924657	C	P320000	MIT_CKI-2011-CTT_US-001-ANNASWAMY	Annaswamy /Anuradha M	09/01/11	12/31/12	0	100,000	0
		6925528	C	P320000	MIT_CKI-2012-ENERGY-001 FRAZZOLI	Frazzoli /Emilio	02/01/12	01/31/15	0	169,247	0
		6926576	C	P320000	MITCKI-2012-ENERGY-001-TAN	Tan /Choon S	07/01/12	04/30/15	0	225,000	(0)
		6926577	C	P320000	MITCKI-2012-ENERGY-001-GHONIEM	Ghoniem /Ahmed F	09/01/12	12/31/14	0	330,000	0
		6928114	C	P320000	MIT-SIEMENS-CKI-2012-ENERGY-001-RUDIN	Rudin /Cynthia	06/01/13	08/31/16	0	350,000	0
		6934648	C	P067952	MIT_CKI-2016-CT-001-SHROBE	Shrobe /Howard E	09/01/16	05/31/18	0	65,000	62,227
		6934776	C	P063007	ADDENDUM ID MIT_CKI-2016-CT-001-WILLIAMS	Williams /John R	09/01/16	12/31/18	(2)	180,000	(0)
		6934788	C	P067952	MIT_CKI-2016-CT-001-SHROBE	Shrobe /Howard E	09/01/16	05/31/18	0	45,000	335
		6937230	C	P067952	MIT_CKI-2017-CT-001-JAANKOLA	Jaakkola /Tommi S	09/01/17	09/30/19	24,303	200,000	633
		6939329	C	P061096	MIT_CKI-2018-CT-001-TAN	Tan /Choon S	07/15/18	08/31/19	32,228	140,000	0
		6939409	C	P067952	MIT_CKI-2018-CT-001-SOLAR-LEZAMA	Solar Lezama /Armando	06/01/18	09/15/19	23,049	210,000	1,046
		6939460	C	P065004	MIT_CKI-2018-CT-001-ANNASWAMY	Annaswamy /Anuradha M	08/15/18	08/31/19	35,614	50,000	(0)
		6939694	C	P067952	MIT_CKI-2018-CT-001-SOLAR-LEZAMA	Matusik /Wojciech	06/01/18	09/15/19	27,110	130,000	26,783
	Total by Primary Sponsor									142,301	7,187,415

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010109 SAP Labs LLC	010109 SAP Labs LLC	6935704	C	P061901	PO 4503664606/AGMT EFI DATE 6/12/17	Sontag /David Alexander	06/01/17	08/31/20	85,383	399,937	26,060
	Total by Primary Sponsor								85,383	399,937	26,060
010149 Tsinghua University	010149 Tsinghua University	6941787	C	P068000		Forget /Benoit Robert Yves	12/10/19	12/09/20	27,663	49,800	22,137
		6941788	C	P068000		Forget /Benoit Robert Yves	12/06/19	12/05/20	27,845	49,800	21,955
	Total by Primary Sponsor								55,508	99,600	44,092
010165 Korea University	010165 Korea University	6941986	C	P400600		Poggio /Tomaso A	04/01/19	12/31/19	49,969	50,000	31
	Total by Primary Sponsor								49,969	50,000	31
010188 Int'l Initiative for Impact Evaluation-3ie Foundation	006120 Harvard University	6937176	C	P091020	200482-5100035	Olken /Benjamin	03/14/17	09/30/19	32,661	54,989	(3,893)
	Total by Primary Sponsor								32,661	54,989	(3,893)
010193 Phillip T. and Susan M. Ragon Foundation	006570 Massachusetts General Hospital	6919709	C	P402010	MGH INTERNAL FUND #220568	Irvine /Darrell J	01/01/08	12/31/20	278,728	3,254,500	(125,582)
		6919760	C	P062000	MGH INTERNAL FUND #220568	Chakraborty /Arup K	01/01/08	06/30/20	237,606	3,208,500	(73,194)
		6942130	C	P402000	234350	Irvine /Darrell J	04/01/19	09/30/21	111,670	362,875	251,205
	Total by Primary Sponsor								628,004	6,825,875	52,429
010230 Shire Pharmaceuticals	010230 Shire Pharmaceuticals	6928859	C	P402000	AGMT. DTD. 3/15/07	Anderson /Daniel Griffith	11/01/13	10/31/16	0	3,012,283	0
	Total by Primary Sponsor								0	3,012,283	0
010247 EDF, Inc.	010247 EDF, Inc.	6919802	C	P320000	EDF MITEI ASSOCIATE MEMBERSHIP AGT 5/28/06	Armstrong /Robert C	05/28/09	03/31/15	0	79,279	54,279
	Total by Primary Sponsor								0	79,279	54,279
010293 Shandong University	010293 Shandong University	6920143	C	P159900	SHANDONG UNIV-MIT COLLAB. AGR. 10/10/08	Ting /Samuel	10/10/08	12/31/20	0	797,268	0

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		6929234	C	P159900	SHANDONG UNIV-MIT COLLAB. AGR. 10/10/08	Ting /Samuel	11/01/13	12/31/20	321,628	1,502,717	72,967
	Total by Primary Sponsor								321,628	2,299,985	72,967
010301 Japan Manned Space Systems Corporation	010301 Japan Manned Space Systems Corporation	6942145	C	P061093	AGMT. DTD. 11/1/19	Leveson /Nancy G	11/01/19	03/25/20	64,009	64,000	(9)
	Total by Primary Sponsor								64,009	64,000	(9)
010304 Universite I Oslo	010304 Universitet I Oslo	6938787	C	P154500		Gibson /Edward A	07/01/18	02/28/19	(3,474)	50,000	0
	Total by Primary Sponsor								(3,474)	50,000	0
010315 Lustgarter Foundation	005817 Dana Farber Cancer Institute	6942345	C	P067952	6347801	Barzilay /Regina	05/15/19	06/14/20	150,709	111,013	(39,696)
	010315 Lustgarten Foundation	6931537	C	P402000	AGREEMENT DATED 1/30/2015	Muzumdar /Mandar	01/01/15	12/31/20	0	0	0
		6931538	C	P402000	AGREEMENT DATED 1/30/2015	Muzumdar /Mandar	01/01/15	12/31/15	0	119,922	0
		6933532	C	P402000	AGREEMENT DATED 1/30/2015	Muzumdar /Mandar	01/01/16	12/31/16	0	137,767	0
		6934981	C	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	19,057	945,888	(0)
		6935261	C	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	84,047	285,000	575
		6935262	C	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	3,741	30,000	577
		6935582	C	P402000	AGREEMENT DATED 1/30/2015	Muzumdar /Mandar	01/01/17	12/31/18	0	147,056	0
		6938967	C	P402000	DEDICATED LAB AWARD 2018	Jacks /Tyler E	07/01/18	07/31/23	1,140,221	2,000,000	87,652
	Total by Primary Sponsor								1,397,775	3,776,647	49,108
010327 Charles H Hood Foundation	010327 Charles H. Hood Foundation	6937850	C	P400600	AGMT. DTD. 12/15/2017	Feng /Guoping	01/01/18	12/31/19	47,780	450,000	(0)
		6938907	C	P418101	AGT DATED 6/15/18	Calo Velazquez /Eliezer	07/01/18	06/30/20	34,692	165,000	4,883

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		6941064	C	P061901	AWARD DATED 7/1/19	Roche /Ellen	07/01/19	06/30/21	70,084	82,500	12,416
	Total by Primary Sponsor								152,556	697,500	17,299
010341 RMC Research and Education Foundation	010341 RMC Research and Education Foundation	6920803	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/24	363,281	3,000,002	144,628
		6920807	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	02/28/12	0	750,000	0
		6921165	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/14	0	1,875,000	0
		6924982	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/11	08/31/14	0	1,125,000	0
		6930774	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	55,890	1,500,000	0
		6930777	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	138,631	2,220,807	(0)
	Total by Primary Sponsor								557,802	10,470,810	144,628
010361 Exelon Corporation	010361 Exelon Corporation	6935259	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	10/01/16	09/30/20	144,861	645,435	43,766
		6935370	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	11/01/16	10/31/20	253,748	1,185,890	204,164
		6935371	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Short /Michael P	01/01/17	12/31/20	307,088	1,416,955	48,905
		6935594	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Li /Ju	10/01/16	09/30/20	179,217	655,071	60,798
		6935595	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Tasan /Cemal	10/01/16	09/30/20	167,317	655,070	59,823
		6935774	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	11/01/16	10/31/20	95,743	728,936	(15,280)
		6935968	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	01/01/17	12/31/20	351,824	750,000	125,592
		6935969	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Bucci /Matteo	01/01/17	04/30/20	195,276	750,000	(10,450)
		6935970	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Wang /Evelyn	01/01/17	12/31/20	164,752	750,000	4,343

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		6935971	C	P264000	AGREEMENT EFFECTIVE 4/1/16	Hu /Lin-Wen	01/01/17	12/31/20	45,937	786,273	0
		6936682	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	06/01/17	10/31/19	0	5,278	0
		6936940	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Reinhart /Christoph	07/01/17	06/30/20	91,218	400,000	8,202
		6937136	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Grossman /Jeffrey C.	07/01/17	01/31/21	366,380	1,338,586	(749)
		6938066	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Katabi /Dina	12/01/17	11/30/21	182,896	1,090,000	617,642
		6938300	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Forsberg /Charles W	01/01/18	12/31/20	120,621	450,000	139,417
		6938546	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	05/01/18	08/31/18	0	8,340	0
		6938746	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	03/16/18	04/08/19	0	15,786	0
		6939015	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	06/01/18	10/01/18	0	9,638	0
		6939554	C	P264000	AGREEMENT EFFECTIVE 4/1/16	Hu /Lin-Wen	08/01/18	12/31/18	0	46,772	0
		6940271	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Katabi /Dina	02/01/19	11/30/21	204,247	250,000	13,825
		6940348	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	02/27/19	06/01/19	0	12,892	0
		6940510	C	P320000	AGREEMENT EFFECTIVE 4/1/16	Leeb /Steven B	06/01/19	05/31/22	59,959	251,230	185,387
		6941871	C	P320000	AGREEMENT EFFECTIVE 4/1/16	Shirvan /Koroush	10/01/19	05/31/22	98,813	284,633	185,820
		Total by Primary Sponsor									3,029,895
010379 ENEL Ingegneria e Innovazione S.p.A	010379 ENEL Ingegneria e Innovazione S.p.A	6918390	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Armstrong /Robert C	03/12/08	12/31/17	0	63,021	34,050
		6918391	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Toksoz /M. Nafi	06/01/08	05/31/11	0	0	0
		6918392	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Mitsos /Alexander	09/01/08	06/30/13	0	380,028	(0)

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		6918393	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Ghoniem /Ahmed F	11/01/08	03/31/13	0	799,814	(0)
		6918394	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Sclavounos /Paul D	12/01/08	08/31/12	0	270,000	0
		6918395	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Fisher /Peter H	12/01/09	01/31/13	0	56,660	0
		6918396	C	P320000	MASTER AGREEMENT	Herzog /Howard J	07/01/09	12/31/13	0	131,923	0
		6918398	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Buongiorno /Jacopo	09/01/10	03/31/13	0	295,000	(0)
		6919633	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Toksoz /M. Nafi	09/30/08	05/31/11	0	150,000	(0)
		6921276	C	P065005	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Mitsos /Alexander	11/01/08	12/31/12	0	204,242	(0)
		6921589	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Fisher /Peter H	02/01/10	06/30/12	0	25,102	0
		6924865	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	O'Sullivan /Francis Martin	09/01/11	08/31/12	0	99,973	(0)
		6928714	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Connors /Stephen Robert	03/11/13	03/31/14	0	150,017	0
		Total by Primary Sponsor								0	2,625,780
010419 Vodafone Americas Foundation	010419 Vodafone Americas Foundation	6932980	C	P065004	LETTER DATED 5/29/2015	Fletcher /Richard R	11/01/15	12/31/19	(1,353)	99,960	(0)
		Total by Primary Sponsor								(1,353)	99,960
010449 Singapore University of Technology and Design	010449 Singapore University of Technology and Design	6921538	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	01/25/10	06/30/21	0	4,276	4,276
		6922069	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/25/10	03/31/11	0	255,596	0
		6922070	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/11	0	49,717	0
		6922071	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	01/25/10	03/31/11	0	402,999	(0)
		6922072	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	01/25/10	04/30/11	0	354,150	(0)

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		6922073	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/25/10	03/31/11	0	188,827	0
		6922074	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	01/25/10	03/31/11	0	13,873	0
		6922075	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	01/25/10	03/31/11	0	174,969	0
		6922076	C	P067952	COLLABORATION AGREEMENT DATED 1/25/2010	Kaelbling /Leslie P	01/25/10	03/31/11	0	96,804	0
		6922077	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	01/25/10	03/31/11	0	56,145	0
		6922078	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	01/25/10	03/31/11	0	40,721	0
		6922260	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	06/01/10	03/31/11	0	13,217	0
		6922516	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	01/25/10	03/31/11	0	41,588	0
		6923652	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	290,730	0
		6923653	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	03/31/12	0	248,633	(0)
		6923654	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/12	0	140,779	0
		6923655	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	04/01/11	03/31/12	0	274,953	(0)
		6923656	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	236,571	0
		6923657	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/11	03/31/12	0	78,888	(0)
		6923658	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/11	03/31/12	0	177,155	0
		6923659	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	167,152	0
		6923660	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/11	03/31/12	0	74,758	0
		6923661	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	04/01/11	03/31/12	0	176,417	0

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		6923663	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	02/29/12	0	0	0
		6923664	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Goulthorpe /Mark	04/01/11	03/31/12	0	109,534	0
		6923665	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Hunter /Ian	04/01/11	03/31/12	0	256,284	(0)
		6923666	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jones /Graham M	04/01/11	03/31/12	0	30,239	0
		6923876	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	04/01/11	03/31/12	0	34,549	0
		6924015	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	0	0
		6924210	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	197,463	(0)
		6924347	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	08/01/11	03/31/12	0	55,849	0
		6924381	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	05/01/11	03/31/12	0	17,063	0
		6925456	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	39,072	(0)
		6925457	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	03/31/13	0	152,563	0
		6925458	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	08/31/12	0	8,392	(0)
		6925459	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/13	0	74,112	0
		6925460	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Hunter /Ian	04/01/11	04/30/13	0	389,153	(0)
		6925461	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/13	0	41,984	0
		6925462	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	04/01/12	03/31/13	0	221,767	0
		6925463	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	116,035	(0)
		6925464	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/12	03/31/13	0	103,849	0

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		6925465	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	04/01/12	03/31/13	0	48,723	0
		6925466	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/12	03/31/13	0	136,819	0
		6925467	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	82,418	0
		6925468	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kaelbling /Leslie P	04/01/12	03/31/13	0	157,730	(0)
		6925469	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Maes /Patricia	04/01/12	03/31/13	0	91,272	(0)
		6925470	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/12	03/31/13	0	50,401	0
		6925471	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	04/01/12	03/31/13	0	145,994	(0)
		6926357	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	18,536	0
		6926957	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/13	03/31/14	0	59,809	(0)
		6926958	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	220,923	0
		6926959	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	154,159	0
		6926960	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	164,007	(0)
		6926961	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	267,253	0
		6926962	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	47,514	0
		6926963	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	128,576	0
		6926964	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/13	03/31/14	0	130,100	0
		6926966	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	130,909	0
		6926967	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	09/30/13	0	36,117	(0)

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		6926968	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	129,934	0
		6926969	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	116,009	0
		6926970	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	01/31/14	0	130,000	(0)
		6927689	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	26,513	0
		6927690	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	27,847	0
		6927970	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	58,318	(0)
		6927971	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	56,658	0
		6928031	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	22,366	(0)
		6928032	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	37,151	0
		6928033	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	81,156	0
		6928925	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Tibbits /Skylar	04/01/13	03/31/14	0	58,164	0
		6928926	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/13	03/31/14	0	38,372	0
		6929576	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	59,297	(0)
		6929577	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	183,206	(0)
		6929578	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	115,399	0
		6929579	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	33,000	0
		6929580	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	72,107	(0)
		6929581	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	12,424	(18)

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		6929582	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	198,664	0
		6929583	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	40,001	(0)
		6929584	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	39,525	0
		6929585	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	13,236	79
		6929586	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	168,661	0
		6929587	C	P414000	COLLABORATION AGREEMENT DATED	Fernandez /John	01/25/10	03/31/15	0	197,156	0
		6929588	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	02/28/15	0	35,740	0
		6929589	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	131,453	0
		6929590	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	24,475	(0)
		6929591	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	139,021	(0)
		6929592	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	30,400	0
		6929593	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	159,518	0
		6929594	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	151,756	0
		6929595	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	73,860	0
		6929596	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	129,356	(0)
		6929597	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	39,950	0
		6929598	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	02/28/15	0	109,156	0
		6929628	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/01/14	03/31/14	0	8,534	0
		6929675	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/14	12/31/14	0	20,000	0

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		6930864	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/14	03/31/15	0	25,850	0
		6931569	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	57,971	57,971
		6931570	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	198,069	0
		6931571	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	195,126	(154)
		6931572	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	213,220	(0)
		6931573	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	236,426	(0)
		6931574	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	198,485	(0)
		6931575	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/15	04/30/16	0	204,081	(0)
		6931576	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	178,233	0
		6931577	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	124,775	0
		6931578	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	178,439	0
		6931627	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	82,054	0
		6931628	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	47,982	0
		6931629	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	34,989	(0)
		6931630	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	31,950	0
		6933747	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Nagakura /Takehiko	04/01/16	04/12/17	0	192,739	0
		6933748	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	201,152	(0)
		6933749	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	198,641	0

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		6933750	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	191,846	(0)
		6933751	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	178,083	0
		6933752	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Kim /Sang-Gook	04/01/16	04/28/17	0	199,989	(0)
		6933753	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	05/10/17	0	200,000	(0)
		6933754	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	78,680	0
		6933755	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Brisson /John G	04/01/16	03/31/17	0	184,187	0
		6933756	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Short /Michael P	04/01/16	03/31/17	0	86,437	0
		6933757	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Yang /Maria	04/01/16	03/31/17	0	75,000	(0)
		6933758	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Jackson /Daniel	04/01/16	03/31/17	0	74,967	0
		6933759	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	75,813	0
		6935838	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/17	04/06/18	0	200,000	(0)
		6935839	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/17	03/31/18	0	268,109	0
		6935840	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/17	03/31/18	0	200,000	(0)
		6935841	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/17	04/30/18	0	200,036	0
		6935842	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/17	03/31/18	0	221,801	0
		6935843	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/17	03/31/18	0	198,175	0
		6935844	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/17	03/31/18	0	199,370	(0)
		6935845	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fischer /Michael M. J.	04/01/17	03/31/18	0	166,833	0

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		6935846	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/17	04/30/18	0	282,926	(0)
		6935847	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/17	03/31/18	0	0	0
		6935848	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Yang /Maria	04/01/17	04/30/18	0	74,705	(0)
		6935849	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jackson /Daniel	04/01/17	03/31/18	0	74,073	0
		6935850	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/17	04/30/18	0	97,818	0
		6937127	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/17	01/01/18	0	75,923	0
		6937492	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/18	04/08/19	0	197,824	0
		6937731	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/18	03/31/19	0	256,526	0
		6937732	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/18	04/08/19	0	198,193	(0)
		6937733	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/18	03/31/19	0	198,390	(0)
		6937734	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/18	03/31/19	0	200,014	0
		6937735	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/18	03/31/19	0	201,206	0
		6937736	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/18	03/31/19	0	199,994	0
		6937737	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fischer /Michael M. J.	04/01/18	03/31/19	0	150,455	(0)
		6937738	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/18	04/08/19	0	96,754	0
		6937739	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/18	03/31/19	0	75,209	(0)
		6937740	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Yang /Maria	04/01/18	03/31/19	0	74,991	0
		6937741	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jackson /Daniel	04/01/18	03/31/19	0	74,720	0

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		6937742	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/18	03/31/19	0	131,523	0
		6938791	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/18	03/31/19	0	7,750	0
		6939639	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mueller /Stefanie	07/01/18	03/31/19	0	47,650	0
		6940434	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	0	0	0
		6940435	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	37,664	124,626	63,135
		6940436	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/19	06/30/20	166,614	207,685	(0)
		6940437	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	235,209	283,474	347
		6940438	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/19	05/31/20	178,906	207,185	(0)
		6940439	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/19	06/30/20	165,287	207,500	656
		6940440	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/19	06/30/20	174,770	207,500	2,631
		6940441	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/19	06/30/20	187,028	207,500	2,724
		6940442	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fischer /Michael M. J.	04/01/19	05/31/20	191,842	207,499	0
		6940443	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Yang /Maria	04/01/19	06/30/20	70,352	75,000	(0)
		6940444	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/19	06/30/20	56,831	75,000	785
		6940445	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jackson /Daniel	04/01/19	05/31/20	52,616	75,474	0
		6940446	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mueller /Stefanie	04/01/19	05/31/20	69,973	75,000	265
		6940447	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	05/31/20	0	0	0
		6940448	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	2,866	77,390	70,669

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		6940449	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/19	06/30/20	150,474	207,500	444
		6940499	C	P067952	SUBAWARD DATED 23 MAY 2019 PROJECT ASTRALIS	Rus /Daniela L	07/01/19	06/30/22	2,547	1,050,000	1,047,453
		6940521	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	5,552	6,360	0
		6940522	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	(723)	0	0
		6940523	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	0	0	0
		6940524	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	42,513	47,655	(0)
		6940525	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	12,902	12,902	0
		6941031	C	P067952	AGREEMENT DTD. 05/23/2019	Kaelbling /Leslie P	07/01/19	06/30/22	5,718	100,000	94,282
		6941363	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/19	05/31/20	313	313	0
		Total by Primary Sponsor							1,809,254	22,218,183	1,345,542
010466 Weatherford International Ltd.	010466 Weatherford International Ltd.	6921705	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Armstrong /Robert C	04/01/10	06/14/16	0	294,533	294,533
		6923406	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Sadoway /Donald Robert	02/01/11	11/30/12	0	249,643	(0)
		6925033	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Kong /Jing	11/01/11	05/31/13	0	199,936	0
		6925034	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Ram /Rajeev J	10/15/11	06/30/15	0	317,152	0
		6925035	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	O'Sullivan /Francis Martin	11/01/11	02/28/15	0	219,853	0
		6925036	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Fehler /Michael C	10/01/11	06/14/16	0	1,484,539	0
		6925155	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Hager /Bradford H	04/01/11	03/31/15	0	175,000	0
		6925170	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Bazant /Martin Z	10/01/11	08/31/13	0	300,000	0

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		6925224	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Ram /Rajeev J	12/01/11	12/31/12	0	3,715	0
		6928456	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Ram /Rajeev J	08/15/13	12/31/14	0	5,629	0
	Total by Primary Sponsor								0	3,250,000	294,533
010479 The Deshpande Foundation	010479 The Deshpande Foundation	6934709	C	P267111	DESHPANDE MOU	Gray /Martha L	09/01/16	08/31/18	0	175,000	0
		6941280	C	P065009	DESHPANDE MOU	Boriskina /Svetlana V	09/01/19	08/31/20	32,397	50,000	17,603
	999903 MIT - Deshpande Center	6934678	C	P069201	DESHPANDE MOU	Blainey /Paul C	09/01/16	08/31/19	0	136,814	50,959
	Total by Primary Sponsor								32,397	361,814	68,563
010480 Sanofi-Aventis S.A.	010480 Sanofi-Aventis S.A.	6937233	C	P062000	AGREEMENT DATED 9-11-2017	Trout /Bernhardt L	10/01/17	12/31/19	93,878	291,467	0
	Total by Primary Sponsor								93,878	291,467	0
010487 ArcelorMittal Isbergues Research Center	010487 ArcelorMittal Isbergues Research Center	6939268	C	P065004	PO 6085701932	Hart /Anastasios John	07/01/18	12/31/19	103,284	195,546	(13,299)
		6940508	C	P065004	PO 6085701932	Hart /Anastasios John	02/22/19	12/31/19	4,639	14,371	9,733
		6940509	C	P065004	PO 6085701932	Hart /Anastasios John	02/21/19	12/31/19	10,466	24,233	138
		6940688	C	P065004	PO 6085701932	Hart /Anastasios John	04/29/19	12/31/19	33,810	35,850	565
	Total by Primary Sponsor								152,199	270,000	(2,863)
010509 GS1 US	010509 GS1 US	6937845	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	12/21/17	12/20/22	146	0	(14,954)
		6937905	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	07/01/17	06/30/18	0	580,000	(17,996)
		6939445	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	07/01/18	06/30/19	52,686	580,000	(77,320)
		6941630	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	07/01/19	06/30/20	489,893	580,000	90,107

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	Total by Primary Sponsor								542,725	1,740,000	(20,163)
010529 Sanofi US Service Inc	010529 Sanofi US Service Inc	6939830	C	P067952	PO# E001742173	Katabi /Dina	02/08/19	12/31/20	485	190,000	189,515
	Total by Primary Sponsor								485	190,000	189,515
010577 The Pew Charitable Trusts	010577 The Pew Charitable Trusts	6934842	C	P095500	CONTRACT ID #29759	Stewart /Charles H	09/14/16	09/13/17	0	869	(0)
		6934843	C	P095500	CONTRACT ID #29759	Stewart /Charles H	09/14/16	09/13/17	0	133,983	0
		6939175	C	P402000	32024	Birnbaum /Michael E	02/12/19	07/31/23	112,390	300,000	176,455
		6939289	C	P061901	00032027	Shalek /Alexander K	02/12/19	07/31/23	191,501	300,000	89,557
		6941372	C	P402000	33048	Spranger-Zimmermann /Stefani	08/14/19	07/31/24	5,592	300,000	294,408
	Total by Primary Sponsor								309,482	1,034,852	560,420
010593 Smith Family Awards Program for Excellence in Biomedical Research	010593 Smith Family Awards Program for Excellence in Biomedical Research	6933148	C	P152000	AGMT. DTD. 11/18/15	Schlau-Cohen /Gabriela S	12/01/15	05/31/20	438	303,110	(0)
		6935359	C	P151073	AGMT DATED 12/01/2016	Li /Gene-Wei	02/01/17	01/31/20	62,805	303,598	(0)
		6939986	C	P061901	AGREEMENT DATED 12/1/2018	Lieberman /Tami Danielle	12/01/18	11/30/21	151,129	200,000	9,973
	Total by Primary Sponsor								214,371	806,707	9,973
010598 Institute for New Economic Thinking	010598 Institute for New Economic Thinking	6942700	C	P122070	INO20-00006	Verner /Emil	03/01/20	02/28/21	1,928	15,000	13,072
	Total by Primary Sponsor								1,928	15,000	13,072
010615 Pontificia Universidad Catolica de Chile	010615 Pontificia Universidad Catolica de Chile	6938992	C	P035000	MOU DATED 1/1/2017	Zegras /Pericles C	01/01/17	06/30/20	120,516	235,000	(25,352)
	Total by Primary Sponsor								120,516	235,000	(25,352)
010625 BP International Limited	007016 BP Technology Ventures Inc.	6923286	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Marzouk /Youssef M	06/01/11	12/31/15	0	335,993	(0)

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		6923383	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Green /William H	06/01/11	12/31/15	0	473,143	0
		6925706	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Herzog /Howard J	06/01/12	12/31/15	0	858,145	(0)
		6925707	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Herzog /Howard J	06/01/12	12/31/14	0	323,332	0
		6925708	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Barrett /Steven R. H.	06/01/12	12/31/14	0	244,304	0
		6925709	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Ghoniem /Ahmed F	06/01/12	01/15/17	0	1,693,361	0
		6925710	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Roman /Yuriy	03/01/12	12/31/18	0	1,259,150	0
		6925711	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Marzouk /Youssef M	06/01/12	08/31/16	0	818,264	0
		6925712	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Armstrong /Robert C	06/01/12	08/31/16	0	684,861	0
		6927080	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Jensen /Klavs F	12/01/12	12/31/18	0	606,233	0
		6927081	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Green /William H	12/01/12	12/31/17	0	595,014	0
		6927130	C	P320000	AMENDMENT 2 (EFF 3/1/12) TO RES AGR EFF 9/1/06	Barton /Paul I	03/01/12	12/31/17	0	927,582	0
		Total by Primary Sponsor							0	8,819,382	0
010628 Sime Darby Technology Centre SDN, BHD	010628 Sime Darby Technology Centre SDN, BHD	6935948	C	P151031	AGREEMENT DATED MARCH 16, 2017	Ram /Rajeev J	04/01/17	03/31/19	0	239,347	(0)
		6935949	C	P151031	AGREEMENT DATED MARCH 16, 2017	Sinskey /Anthony J	04/01/17	03/31/19	0	557,295	0
		6935950	C	P151031	AGREEMENT DATED MARCH 16, 2017	Strano /Michael S.	04/01/17	03/31/19	0	336,987	0
	Total by Primary Sponsor								0	1,133,629	0
010631 MedImmune, LLC	010631 MedImmune, LLC	6931777	C	P062000	P.O. 1700026971	Trout /Bernhardt L	03/01/15	02/27/21	97,490	900,000	135,509
		6934399	C	P039010	PO 1700054203	Picard /Rosalind W.	07/01/16	12/31/18	0	297,176	0

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	Total by Primary Sponsor								97,490	1,197,176	135,509
010641 Capgemini Consulting North America	010641 Capgemini Consulting North America	6937967	C	P121175	AWARD EFF. DATE. 8/1/2017	Thompson /Neil	08/01/17	10/31/20	0	137,841	0
		6938953	C	P067962	AWARD EFF. DATE. 8/1/2017	Thompson /Neil	07/01/18	10/31/20	146,607	612,159	139,912
	Total by Primary Sponsor								146,607	750,000	139,912
010646 Atrium Medical Corporation	010646 Atrium Medical Corporation	6929014	C	P061901	AGREEMENT DATED 2/1/2011	Edelman /Elazer R	02/01/11	07/30/19	5,000	260,777	(0)
	Total by Primary Sponsor								5,000	260,777	(0)
010647 Ferroviai Corporacion, S.A	010647 Ferroviai Corporacion, S.A	6932771	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Armstrong /Robert C	01/01/16	12/31/21	0	362,076	362,076
		6938607	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ben-Akiva /Moshe E	06/01/18	05/31/21	178,211	588,467	164,961
		6939739	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Buehler /Markus J	09/01/18	12/31/20	197,468	327,539	43,694
		6941804	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Pentland /Alex Paul	09/01/19	08/31/21	126,152	180,000	53,848
		6942934	C	P320000	AGREEMENT DTD. 03/06/2020	Ben-Akiva /Moshe E	01/15/20	01/14/21	103,999	210,000	106,001
		6943147	C	P320000	AGREEMENT DTD. 03/06/2020	Ben-Akiva /Moshe E	06/01/20	05/31/21	8,348	210,560	202,212
	Total by Primary Sponsor								614,179	1,878,642	932,790
010659 CHDI Management	010659 CHDI Management	6927026	C	P400600	A-5552	Graybiel /Ann M	09/01/12	09/30/20	1,147,688	9,788,902	(786,519)
		6927027	C	P400600	A-5552	Graybiel /Ann M	09/01/12	09/30/20	390,380	2,845,921	(581,089)
		6928168	C	P402000	AGMT. DTD. 6/20/13	Housman /David E	07/01/13	03/31/20	0	152,590	168
		6928169	C	P402000	AGMT. DTD. 6/20/13	Housman /David E	07/01/13	03/31/20	2,043	82,000	(2,923)
		6942368	C	P069201	AGMT DATED 1/1/20	Fraenkel /Ernest	01/01/20	12/31/20	84,412	256,152	171,740

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		6942682	C	P039000	A-15331	Jacobson /Joseph	01/01/20	12/31/20	76,595	43,632	(32,963)
		6943050	C	P039000	A-15331	Jacobson /Joseph	01/01/20	12/31/20	0	29,606	29,606
	Total by Primary Sponsor								1,701,118	13,198,804	(1,201,980)
010671 Universiti Teknologi MARA	010671 Universiti Teknologi MARA	6923267	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	9,919,313	9,919,313
		6923308	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	41,631	1,650,000	43,696
		6923309	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	103,995	1,255,000	10,369
		6923310	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	232,927	1,280,000	(3,062)
		6923311	C	P069501	AGMT DTD 1/14/11	Caplice /Christopher	01/14/11	01/13/21	48,427	250,000	105,035
		6923312	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	96,630	(0)
		6923313	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	(9,862)	581,030	(2)
		6923314	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	934	78,606	11,054
		6923315	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	43,215	465,000	89,811
		6923316	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	19,198	0
		6923317	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	(467)	180,000	20,473
	Total by Primary Sponsor								460,799	15,774,777	10,196,688
010685 GlobalFoundries Singapore Pte. Ltd.	010685 GlobalFoundries Singapore Pte. Ltd.	6940347	C	P267200	PO 303003056834	Ram /Rajeev J	01/01/19	03/31/20	20,085	41,000	(0)
		Total by Primary Sponsor							20,085	41,000	(0)
010693 Department for International Development (UK)	010693 Department for International Development (UK)	6929151	C	P091020	COMPONENT CODE 204291-101	Banerjee /Abhijit	01/31/14	03/31/22	398,047	0	(1,509,092)

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Development (UK)		6930143	C	P091020	COMPONENT CODE 204291-101	Banerjee /Abhijit	01/31/14	03/31/22	1,043,658	3,105,947	(408,221)
		6937095	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	6,285	0	(32,830)
		6937584	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	0	0	(22,089)
		6937585	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	47,310	0	(49,431)
		6937586	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	22,236	0	(244,593)
		6937694	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	318,592	70,655	(736,601)
		6937695	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	812,704	1,468,028	(781,386)
		6937696	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	531,715	105,000	(935,892)
		6937697	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	698,130	700,000	(555,963)
		6937699	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	0	100,000	(10,000)
		6937700	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	1,786,473	550,000	(2,178,795)
		Total by Primary Sponsor							5,665,149	6,099,630	(7,464,893)
010696 Nissan North America Inc.	010696 Nissan North America Inc.	6940568	C	P066000	SRA DATED 2-4-219	Olivetti /Elsa A	02/04/19	09/30/20	96,627	160,000	63,373
		Total by Primary Sponsor							96,627	160,000	63,373
010700 Biogen Idec	010085 The Broad Institute, Inc.	6938054	C	P159300	7000012-5500001029	Bear /Mark	07/01/17	06/30/20	(5,117)	492,921	(0)
		6942206	C	P159300	7000012-5500001029	Bear /Mark	07/01/19	06/30/20	240,312	299,694	59,382
		Total by Primary Sponsor							235,195	792,615	59,382
010722 Panasonic Corporation	010722 Panasonic Corporation	6938485	C	P152000	AGMT. DTD. 04/10/18	Johnson /Jeremiah A.	04/10/18	03/31/19	0	181,486	(0)

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		6938486	C	P152000	AGMT. DTD. 04/10/18	Johnson /Jeremiah A.	04/01/19	03/31/20	210,682	298,544	(3,211)
	Total by Primary Sponsor								210,682	480,030	(3,211)
010734 Harvard Institute for Global Health	010734 Harvard Institute for Global Health	6942183	C	P440108	AGREEMENT NO. C-SEC/SSI/MIT-027562-66 17	Fletcher /Richard R	02/01/19	01/31/20	15,524	15,524	0
	Total by Primary Sponsor								15,524	15,524	0
010743 Swiss National Science Foundation	010743 Swiss National Science Foundation	6942844	C	P066000	BSSGI0_155986	Rupp /Jennifer Lilia Marguerit	01/01/20	12/31/20	61,817	98,058	36,241
	Total by Primary Sponsor								61,817	98,058	36,241
010759 Toyota Motor Europe	010759 Toyota Motor Europe	6924545	C	P065005	PO 24604684	Shao-Horn /Yang	09/09/11	05/31/19	0	871,016	(0)
		6938996	C	P267200	PO NO .24593795 /PO 24604684	Shao-Horn /Yang	09/09/11	05/31/19	(29)	141,183	0
	Total by Primary Sponsor								(29)	1,012,198	(0)
010760 William N. & Bernice E. Bumpus Foundation	010760 William N. & Bernice E. Bumpus Foundation	6936728	C	P400600	2017.1.1	Crittenden /Jill R	07/01/17	08/31/20	109,762	250,000	(46,295)
	Total by Primary Sponsor								109,762	250,000	(46,295)
010805 Project Management Institute, Inc.	010805 Project Management Institute, Inc.	6937480	C	P069400	PO# PMI-10525	Rebentisch /Eric S	09/01/17	12/31/19	64,446	760,000	(0)
	Total by Primary Sponsor								64,446	760,000	(0)
010820 Ferrovial Servicios, S.A.	010820 Ferrovial Servicios, S.A.	6933565	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Lang /Jeffrey H	01/01/16	01/31/18	0	237,564	0
		6933974	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Sarma /Sanjay E	04/01/16	07/15/18	0	349,759	0
		6934078	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ulm /Franz-Josef	05/01/16	04/30/18	0	440,000	(0)
		6934162	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ben-Akiva /Moshe E	06/01/16	05/31/18	0	335,517	0
		6934515	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Lienhard /John H	09/01/16	04/30/18	0	269,034	(0)

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		6936112	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Gonzalez /Marta C.	03/01/17	10/31/18	0	148,419	(0)
		6936708	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Lienhard /John H	05/24/17	03/31/18	0	22,914	0
		6937532	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Pellenq /Roland Jm	10/01/17	02/29/20	(347)	354,942	0
		6938514	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Hansman /Robert J	06/01/18	05/31/20	143,637	256,611	(1,088)
		6942097	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Karaman /Sertac	09/01/19	08/31/21	92,281	179,216	86,935
	Total by Primary Sponsor								235,571	2,593,977	85,847
010851 Deloitte Services LP	010851 Deloitte Service LP	6928050	C	P039010	ESG SIG	Havasi /Catherine	07/01/13	09/30/13	0	9,230	0
		Total by Primary Sponsor								0	9,230
010857 Goldman Sachs Foundation	010857 Goldman Sachs Foundation	6942322	C	P402000	641280	Koehler /Angela Nicole	08/19/19	08/18/21	39,066	100,000	60,934
		6942325	C	P402000	644371	Yilmaz /Omer	08/19/19	08/18/21	110,064	100,000	(10,064)
	Total by Primary Sponsor								149,130	200,000	50,870
010875 Facebook Inc.	010875 Facebook, Inc.	6936220	C	P061093	SOW# MIT-01012017-SCL	Crawley /Edward F	03/13/17	12/31/19	62,580	371,720	(4)
		6940454	C	P061097	MIT-07202018-MPK / PO 1122852	Cahoy /Kerri	09/01/18	12/31/19	66,237	212,665	8,193
		6940952	C	P067952	MIT-09012018-SARA / PO 1220454	Isola /Phillip John	05/15/19	05/14/20	168,263	300,000	131,737
		6941462	C	P067952	MIT-09012018-SARA / PO 1220454	Torralba /Antonio	05/15/19	05/14/20	207,637	300,000	92,363
		6942399	C	P067952	MIT-12192019-SARA / PO TBD	Isola /Phillip John	05/15/20	05/14/21	26,919	300,000	273,081
		6942863	C	P067952	MIT-12192019-SARA / PO TBD	Torralba /Antonio	05/15/20	05/14/21	8,943	300,000	291,057
	Total by Primary Sponsor								540,578	1,784,385	796,427

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010876 Brain and Behavior Research Foundation	010876 Brain and Behavior Research Foundation	6935353	C	P400600	24974	Homma /Daigo	01/15/17	07/14/19	(36,046)	70,000	0
		6935354	C	P400600	24982	Hung /Yuwen	01/15/17	01/14/19	0	70,000	0
		6935355	C	P400600	24853	Bauer Hoss /Clemens	01/15/17	01/14/20	37,678	52,500	(14,583)
		6936159	C	P159300	25731	Choi /Bohyun Gloria	09/15/17	09/14/20	71,718	75,000	(26,355)
		6937452	C	P159300	GRANT NO. 26222	Flavell /Steven Willem	01/15/18	07/14/20	40,665	52,500	(17,674)
		6938813	C	P159300	GRANT NO. 26697	Siciliano /Cody A	05/15/18	01/14/20	203	6,111	0
		6939451	C	P154500	25239	Schmitt /Lukas I	01/05/18	01/14/19	0	38,995	3
		6939453	C	P154500	25239	Wimmer /Ralf D	01/15/18	01/15/20	9,373	70,000	(0)
		6939926	C	P039000	GRANT NO. 27205	Dagdeviren /Canan	01/15/19	01/14/21	9,361	35,000	11,790
		6941945	C	P400600	28690	Schwerdt /Helen N	01/15/20	01/15/22	11,296	70,000	58,704
		Total by Primary Sponsor							144,248	540,106	11,886
010882 Weichai Power Co Ltd	010882 Weichai Power Co Ltd	6942152	C	P065009	AGMT DTD. 01/01/2020	Chen /Gang	01/01/20	12/31/24	0	0	0
		6942153	C	P065009	AGMT DTD. 01/01/2020	Chen /Gang	01/01/20	12/31/24	0	237,448	237,448
		6942154	C	P065009	AGMT DTD. 01/01/2020	Chen /Gang	01/01/20	12/31/24	17,734	150,000	132,266
		6943176	C	P065005	AGMT DTD. 01/01/2020	Youcef-Toumi /Kamal	07/01/20	06/30/21	0	329,552	329,552
		6943229	C	P065005	AGMT DTD. 01/01/2020	Deng /Sili	07/01/20	06/30/21	0	300,000	300,000
		6943232	C	P065004	AGMT DTD. 01/01/2020	Barbastathis /George	06/01/20	05/31/21	14,669	297,000	282,331
		Total by Primary Sponsor							32,403	1,314,000	1,281,597
010908 Susan Thompson Buffett Foundation	010908 Susan Thompson Buffett Foundation	6938471	C	P091000	AGREEMENT DATED 11/1/17	Autor /David H	11/01/17	10/31/20	478,407	1,634,334	433,183

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	Total by Primary Sponsor								478,407	1,634,334	433,183
010940 SABIC Global Technologies, B.V	010940 SABIC Global Technologies, B.V.	6929862	C	P062000	RPP 1: STEPHANOPOULOS P.O. 4501650669	Stephanopoulos /Gregory	05/01/14	04/30/18	0	598,593	0
		6931956	C	P062000	RPP 2: GREEN	Green /William H	03/25/15	06/30/17	0	350,706	(0)
		6934555	C	P065004	RPP 3: GHONIEM	Ghoniem /Ahmed F	11/01/16	10/31/17	0	231,247	0
		6935860	C	P062000	RPP4: GREEN	Green /William H	07/01/17	06/30/19	314	350,000	0
		6938356	C	P065004	RPP EFFECTIVE 4/1/18	Ghoniem /Ahmed F	04/01/18	12/31/19	107,812	382,103	(40)
		6941189	C	P065004	RPP EFFECTIVE 4/1/18	Ghoniem /Ahmed F	07/01/19	09/30/19	56,384	56,384	0
		6941299	C	P062000	RPP6: GREEN	Green /William H	07/01/19	06/30/20	155,858	175,000	19,142
	Total by Primary Sponsor								320,368	2,144,034	19,102
011056 BASF SE	011056 BASF SE	6942929	C	P069201	AGMT DTD 03/27/2020	Weiss /Ron	04/01/20	09/30/20	39,787	113,682	73,895
	Total by Primary Sponsor								39,787	113,682	73,895
011060 Merck, Sharpe and Dohme Corp	011060 Merck, Sharpe and Dohme Corp	6933255	C	P062000	LKR150393	Trout /Bernhardt L	01/01/16	12/31/21	123,509	545,000	137,045
	Total by Primary Sponsor								123,509	545,000	137,045
011083 Robert A and Renee E Belfer Family Foundation	007555 University of Texas-MD Anderson Cancer Center	6925643	C	P159300	CONSORTIUM AGREEMENT DTD 2/28/12 , A&R AGREEMENT DTD	Tsai /Li-Huei	01/01/12	07/31/21	0	2,612,374	(269)
		6939256	C	P159300	CONSORTIUM AGREEMENT DTD 2/28/12 , A&R AGREEMENT DTD	Tsai /Li-Huei	12/01/17	07/31/21	352,392	2,550,000	865,954
	Total by Primary Sponsor								352,392	5,162,374	865,686
011108 OCP Group	011108 OCP Group	6939459	C	P069400	MASTER AGRMNT DTD. 09/01/2018	Dahleh /Munther A	09/01/18	08/31/23	0	600,000	600,000
		6939508	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/23	0	500,000	500,000

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		6939598	C	P069400	WORK ORDER 1	Dahleh /Munther A	09/01/18	02/28/21	731,269	800,000	(34,266)
		6939674	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/21	188,396	600,000	249,381
		6939675	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/21	356,467	600,000	152,015
		6940031	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/20	121,004	300,000	147,588
		6941242	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/19	08/31/21	84,591	600,000	515,409
		6941913	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/19	08/31/21	77,059	600,000	522,941
		6943288	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/19	08/31/21	0	600,000	600,000
		Total by Primary Sponsor							1,558,786	5,200,000	3,253,068
011173 Austrian Institute of Technology	011173 Austrian Institut of Technology	6936740	C	P035000	AGMT DTD 6/1/2017	Ratti /Carlo	06/01/17	08/31/19	(825)	160,000	0
		Total by Primary Sponsor							(825)	160,000	0
011174 Canadian Institute of Advanced Research	011174 Canadian Institute of Advanced Research	6934647	C	P152000	FL-000232/FL-000974	Schlau-Cohen /Gabriela S	07/01/16	06/30/20	0	129,916	124,396
		6939628	C	P152000	FL-000963	Surendranath /Yogesh	07/01/18	12/31/20	10,054	74,000	55,636
		6940567	C	P152000	FL-00100	Schlau-Cohen /Gabriela S	03/01/19	02/28/21	425	18,500	18,075
		6941027	C	P152000	FL-001004	Schlau-Cohen /Gabriela S	05/01/19	04/30/21	0	18,500	18,500
		Total by Primary Sponsor							10,479	240,916	216,606
011176 Cure Alzheimer's Fund	011176 Cure Alzheimer's Fund	6940097	C	P159300		Tsai /Li-Huei	01/01/19	12/31/19	80,626	230,063	0
		6940333	C	P159300		Kellis /Manolis	01/01/19	12/31/19	229,863	229,863	(0)
	Total by Primary Sponsor								310,489	459,926	0

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011187 University Industry Research Corporation	011187 University Industry Research Corporation	6926114	C	P067952	AGMT EFFECTIVE 07/23/1	Madden /Samuel R	08/01/12	08/31/19	0	1,022	1,022
		6926733	C	P067952	AGMT EFFECTIVE 07/23/1	Madden /Samuel R	08/01/12	08/31/19	3,016	1,588,957	(0)
		6926734	C	P067952	AGMT EFFECTIVE 07/23/1	Karger /David R	09/01/12	08/31/17	0	474,573	(0)
		6926735	C	P067952	AGMT EFFECTIVE 07/23/1	Jaakkola /Tommi S	09/01/12	08/31/14	0	76,756	0
		6926736	C	P067952	AGMT EFFECTIVE 07/23/1	Madden /Samuel R	09/01/12	08/31/19	0	1,759,956	(0)
		6926737	C	P067952	AGMT EFFECTIVE 07/23/1	Amarasinghe /Saman P	09/01/12	08/31/17	0	74,999	(0)
		6926738	C	P067952	AGMT EFFECTIVE 07/23/1	Edelman /Alan	09/01/12	08/31/17	(14,073)	665,000	0
		6926739	C	P067952	AGMT EFFECTIVE 07/23/1	Devadas /Srinivas	09/01/12	08/31/18	0	572,650	(0)
		6926740	C	P067952	AGMT EFFECTIVE 07/23/1	Szolovits /Peter	09/01/12	08/31/18	0	351,756	(13,071)
		6926741	C	P067952	AGMT EFFECTIVE 07/23/1	Mithal /Arvind	09/01/12	08/31/17	0	100,000	(0)
		6928931	C	P067952	AGMT EFFECTIVE 07/23/1	Indyk /Piotr	09/01/13	08/31/17	0	80,500	(0)
		6932526	C	P067952	AGMT EFFECTIVE 07/23/1	Zaharia /Matei A	09/01/15	01/31/17	0	50,430	0
		6939948	C	P067952	AGMT DTD 11/15/2018	Madden /Samuel R	11/15/18	11/14/19	124,504	170,197	(0)
		Total by Primary Sponsor							113,446	5,966,795	(12,049)
011199 Silicon Valley Community Foundation	006637 Allen Institute for Brain Science	6938262	C	P039070	2017-0524/PO#AIP044539	Boyden /Edward	12/01/17	05/31/19	(17,350)	235,161	0
		Total by Primary Sponsor							(17,350)	235,161	0
011201 Jain Irrigation Systems Ltd	011201 Jain Irrigation Systems Ltd	6927620	C	P065005	AGREEMENT DATED 4/16/13	Winter /Amos G	06/01/12	08/31/19	2,617	841,581	0
		Total by Primary Sponsor							2,617	841,581	0

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011205 Qatar Foundation	011205 Qatar Foundation	6926112	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	07/01/12	06/30/20	0	312,778	284,409
		6926241	C	P067952	AGRMT EFF. 6/27/12	Seneff /Stephanie	07/01/12	06/30/13	0	291,965	0
		6926242	C	P067952	AGRMT EFF. 6/27/12	Glass /James R	07/01/12	06/30/13	0	195,000	(0)
		6926243	C	P067952	AGRMT EFF. 6/27/12	Gifford /David K	07/01/12	06/30/14	0	345,103	(0)
		6926244	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	07/01/12	06/30/13	0	69,982	0
		6926245	C	P067952	AGRMT EFF. 6/27/12	Madden /Samuel R	07/01/12	06/30/13	0	171,889	0
		6926246	C	P067952	AGRMT EFF. 6/27/12	Stonebraker /Michael	07/01/12	08/15/13	0	152,572	(0)
		6926247	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	06/01/12	06/30/20	478,989	5,250,000	192,794
		6926917	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	10/01/12	08/15/13	0	59,990	0
		6926918	C	P067952	AGRMT EFF. 6/27/12	Oliva /Aude	10/01/12	09/30/13	0	420,823	0
		6926919	C	P067952	AGRMT EFF. 6/27/12	Mithal /Arvind	01/01/13	12/31/13	0	209,230	(0)
		6926920	C	P067952	AGRMT EFF. 6/27/12	Kagal /Lalana S	01/01/13	08/15/13	0	180,259	(0)
		6926922	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	10/01/12	08/15/13	0	162,077	0
		6928352	C	P067952	AGRMT EFF. 6/27/12	Devadas /Srinivas	07/01/13	08/31/15	0	1,889,819	(0)
		6928353	C	P067952	AGRMT EFF. 6/27/12	Glass /James R	07/01/13	06/30/20	346,586	5,266,176	(359)
		6928354	C	P067952	AGRMT EFF. 6/27/12	Guttag /John V	07/01/13	08/31/15	0	1,636,245	(0)
		6928355	C	P067952	AGRMT EFF. 6/27/12	Kagal /Lalana S	07/01/13	08/31/15	0	1,439,485	0
		6928356	C	P067952	AGRMT EFF. 6/27/12	Stonebraker /Michael	07/01/13	06/30/20	156,640	4,576,449	(28,490)

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		6930558	C	P067952	AGRMT EFF. 6/27/12	Berners-Lee /Timothy J	07/01/13	01/15/17	0	1,258,427	(0)
		6930577	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	07/01/13	06/30/18	(31,235)	1,546,655	(0)
		6932546	C	P067952	AGRMT EFF. 6/27/12	Sanchez Martin /Daniel	07/01/15	06/30/18	0	776,821	0
		6932547	C	P067952	AGRMT EFF. 6/27/12	Harrell /Douglas Alan	07/01/15	06/30/18	0	675,165	0
		6932548	C	P067952	AGRMT EFF. 6/27/12	Torralba /Antonio	07/01/15	06/30/20	143,840	1,284,412	213,947
		6932838	C	P067952	AGRMT EFF. 6/27/12	Durand /Frederic	07/01/15	01/15/17	0	472,424	0
		6934076	C	P067952	AGRMT EFF. 6/27/12	Gonzalez /Marta C.	04/01/16	11/30/17	0	206,258	0
		6934275	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	04/01/16	06/30/20	191,596	1,333,516	19,360
		6934727	C	P067952	AGRMT EFF. 6/27/12	Jaakkola /Tommi S	07/01/16	06/30/18	0	222,157	(0)
		6934728	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	07/01/16	06/30/18	(714)	518,062	(0)
		6935810	C	P067952	AGRMT EFF. 6/27/12	Balakrishnan /Hari	01/01/17	06/30/20	295,183	1,722,486	43,473
		6940705	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	10/15/18	06/30/19	(3,270)	147,715	0
		6941543	C	P067952	AGRMT EFF. 6/27/12	Solomon /Justin	07/01/12	06/30/20	360,172	350,000	(10,172)
		6942138	C	P067952	AGRMT EFF. 6/27/12	Szolovits /Peter	07/01/19	06/30/20	246,918	350,000	103,082
		6943400	C	P067952	AGRMT EFF. 6/27/12	Stonebraker /Michael	06/15/20	06/30/21	0	256,060	256,060
	Total by Primary Sponsor								2,184,703	33,750,000	1,074,105
011208 Ovarian Cancer Research Fund	007787 Whitehead Institute/Biomedical Research	6940513	C	P152000	50-1917-0204	Johnson /Jeremiah A.	11/01/18	12/31/19	14,479	14,479	(0)
		6942293	C	P152000	50-1917-0304	Johnson /Jeremiah A.	01/01/20	12/31/20	63,505	176,006	112,501

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	Total by Primary Sponsor								77,984	190,484	112,501
011280 Boehringer Ingelheim Pharma GmbH & Co.	011280 Boehringer Ingelheim Pharma GmbH & Co.	6932802	C	P069201	PO# 45441307	Griffith /Linda G	08/14/15	08/31/18	0	180,154	0
		6932803	C	P069201	43067143	Griffith /Linda G	08/14/15	05/31/19	0	526,540	0
		6932804	C	P069201	43067143	Griffith /Linda G	08/14/15	06/01/20	149,307	245,760	0
		6932806	C	P069201	PO# 45441311	Griffith /Linda G	08/14/15	08/31/18	0	189,381	(0)
		6932807	C	P069201	PO# 45441449	Griffith /Linda G	08/14/15	08/31/18	0	848,380	0
		6932808	C	P069201	CONTRACT 43067144	Griffith /Linda G	08/14/15	05/31/19	0	531,776	(0)
		6932809	C	P069201	CONTRACT 43067144	Griffith /Linda G	08/14/15	06/01/20	19,162	303,272	102,438
		6932811	C	P069201	PO# 45441319	Alm /Eric J	08/14/15	02/08/18	0	351,000	277,486
		6932812	C	P069201	43067145	Alm /Eric J	08/14/15	02/08/18	0	314,906	202,489
		6932813	C	P069201	43067145	Alm /Eric J	08/14/15	02/08/18	(4,982)	134,505	4,982
		6932815	C	P069201	PO# 45441324	Lauffenburger /Douglas A	08/14/15	08/31/18	0	187,447	0
		6932816	C	P069201	43067146	Lauffenburger /Douglas A	08/14/15	05/31/19	0	327,221	0
		6932817	C	P069201	43067146	Lauffenburger /Douglas A	08/14/15	06/01/20	113,924	162,908	22,005
		6940000	C	P069201	43067141	Griffith /Linda G	09/01/18	04/30/20	8,186	20,000	8,356
	Total by Primary Sponsor								285,596	4,323,251	617,755
011292 Twitter, In	011292 Twitter, Inc.	6929773	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	05/01/14	04/30/21	933,292	7,500,000	(881)
	Total by Primary Sponsor								933,292	7,500,000	(881)

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011354 MTR Corporation Limited	011354 MTR Corporation Limited	6933953	C	P035000	PO NO. 1097893	Zhao /Jinhua	01/01/16	12/31/19	197,562	1,090,000	483
	Total by Primary Sponsor								197,562	1,090,000	483
011383 Edward Mallinckrodt, Jr. Foundation	011383 Edward Mallinckrodt, Jr. Foundation	6941146	C	P400600	AGMT DTD. 6/21/2019	Zhang /Feng	10/01/19	09/30/23	0	100,000	100,000
	Total by Primary Sponsor								0	100,000	100,000
011396 Bert L. & N. Kuggie Vallee Foundation	011396 Bert L. & N. Kuggie Vallee Foundation	6939350	C	P400600	VS-2018-21	Harnett /Mark Thomas	09/01/18	08/31/22	197,919	300,000	58,784
	Total by Primary Sponsor								197,919	300,000	58,784
011452 Transamerica Capital Inc	011452 Transamerica Capital Inc	6927764	C	P069501	AGMT. DTD	Coughlin /Joseph F	05/01/13	05/30/19	0	1,551,483	(21,710)
		6941944	C	P069501	AGREEMENT DTD 1/1/19	Coughlin /Joseph F	01/01/19	12/31/21	242,227	573,517	331,289
	Total by Primary Sponsor								242,227	2,125,000	309,579
011454 Intel Corporation	011454 Intel Corporation	6931195	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	01/01/15	12/31/15	0	140,000	0
		6936109	C	P065005	AGMT DTD. 03/24/17	Sarma /Sanjay E	04/17/17	12/31/18	(25,713)	304,808	68,692
		6937140	C	P067952	AGMT DATED 9/11/17	Katabi /Dina	09/11/17	08/31/20	111,545	238,000	70,954
		6939396	C	P067952	AGMT. DATED 9/1/18	Solar Lezama /Armando	09/01/18	08/31/19	(32,803)	100,000	13,550
		6939564	C	P067952	AGMT DTD 10/1/18	Carbin /Michael James	10/01/18	09/30/20	23,936	204,092	176,144
		6940005	C	P067952		Katabi /Dina	12/01/18	11/30/19	130,091	130,000	(91)
		6940878	C	P060600	AGMT. DTD. 07/01/2019	del Alamo /Jesus A	07/01/19	09/30/20	128,155	150,000	21,845
		6942185	C	P067952	AGMT DTD. 11/15/19	Madden /Samuel R	11/15/19	11/14/21	228,400	629,803	401,404
		6942746	C	P060600	AGREEMENT EFFECTIVE MARCH 1, 2020	Han /Ruonan	03/01/20	02/28/21	17,469	100,000	82,531

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	Total by Primary Sponsor								581,079	1,996,703	835,029
011474 Servico Nacional de Aprendizagem Industrial (SENAI)	011474 Servico Nacional de Aprendizagem Industrial (SENAI)	6929664	C	P060300	AGREEMENT DATED 02/04/2014	Lester /Richard K	05/05/14	05/01/21	917,691	6,537,926	828,175
	Total by Primary Sponsor								917,691	6,537,926	828,175
011490 Tata Consultancy Services	011490 Tata Consultancy Services	6933519	C	P039010	MEDIA LAB CONSORTIA	Raskar /Ramesh	01/01/16	12/31/20	0	91,288	0
		6936521	C	P039010	MEDIA LAB CONSORTIA	Rahwan /Ilyad	09/01/17	08/31/19	0	158,712	0
		6939561	C	P039010	AGREEMENT DATED 9/24/18	Fedor /Szymon	10/01/18	12/31/20	213,556	572,131	213,923
	Total by Primary Sponsor								213,556	822,131	213,923
011491 Mahindra & Mahindra, Ltd.	011491 Mahindra & Mahindra, Ltd.	6933169	C	P065005	AGMT DATED 01/14/2016	Winter /Amos G	09/01/15	11/30/19	33,153	300,000	(0)
	Total by Primary Sponsor								33,153	300,000	(0)
011506 Laura and John Arnold Foundation	011506 Laura and John Arnold Foundation	6928809	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	1,327,986	0
		6928810	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	169,720	0
		6928811	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	392,190	664,600	(1,785,567)
		6929158	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	38,123	286,124	185,698
		6929159	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	68,918	2,451,880	246,975
		6932261	C	P091020	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/14/15	06/30/23	463,658	1,289,775	(1,085,593)
		6932510	C	P091020	LTR DTD 8/5/15	Finkelstein /Amy	04/01/15	02/15/22	14,712	499,064	(18,272)
		6933547	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/15	06/30/22	53,836	399,283	305
		6933548	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	8,512	0

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		6934072	C	P091020	LTR DTD 8/5/15	Finkelstein /Amy	04/01/15	02/15/22	23,597	603,256	(36,687)
		6934793	C	P091020	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/01/16	06/30/23	579,874	1,833,401	332,293
		6935340	C	P091020	AGMT DTD 12/9/2016	Duflo /Esther	01/01/17	11/01/19	19,082	486,000	(8,421)
		6937006	C	P091020	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/15/17	01/14/18	0	40,835	0
		6937749	C	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	53,222	49,923	(104,824)
		6937750	C	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	499,551	818,215	49,731
		6937751	C	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	962,513	721,668	(1,639,146)
		6937793	C	P405028	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/21	0	0	0
		6937794	C	P405028	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/21	164,747	581,756	262,267
		6937944	C	P091000	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/21	598,540	1,279,866	278,686
		6938048	C	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	06/30/21	2,684	206,036	27,554
		6938049	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	07/15/17	07/15/20	0	50,000	(5,000)
		6941453	C	P095500	LTR DTD 10/24/2017	White /Ariel R.	09/01/17	06/30/20	31,629	49,126	17,497
		6942139	C	P091020	AGMNT. DTD. 8/15/19	Finkelstein /Amy	10/01/19	09/30/20	114,453	250,000	135,547
		6943375	C	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	0	174,636	174,636
	Total by Primary Sponsor								4,081,330	14,241,662	(2,972,320)
011545 Breast Cancer Alliance, Inc.	011545 Breast Cancer Alliance, Inc.	6938146	C	P067952		Barzilay /Regina	02/01/18	01/31/19	0	100,000	(434)
		6940275	C	P267600	AGMT DTD 2/1/19	Lu /Timothy K	02/01/19	01/31/20	53,402	100,000	(14,949)

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	Total by Primary Sponsor								53,402	200,000	(15,383)
011550 Harvard University - Weiss Family Program	011550 Harvard University - Weiss Family Program	6935609	C	P091020	RESEARCH PROJECT AGREEMENT #08	Schilbach /Frank	01/05/17	10/31/18	(3,538)	58,960	0
		6938032	C	P091020	RPA#9 ZARATE VASQUEZ PROJECT	Duflo /Esther	06/07/17	06/30/18	0	21,226	15,777
		6939353	C	P091020	RPA#11	Townsend /Robert	05/24/18	05/31/19	(42)	3,200	0
		6942050	C	P091020	RPA#12	Kala /Namrata	12/19/18	12/18/19	0	7,920	7,920
		6942311	C	P091020	RPA#13	Duflo /Esther	05/14/19	05/31/20	500	3,754	3,254
		6942312	C	P091020	RPA#13	Townsend /Robert	05/14/19	05/31/20	0	3,200	3,200
		6942910	C	P091020	RPA#14	Duflo /Esther	12/02/19	12/31/20	0	43,522	43,522
	Total by Primary Sponsor								(3,080)	141,782	73,673
011564 London Eye Hospital	011564 London Eye Hospital	6929619	C	P152000	AGRMT DTD 3/21/14	Johnson /Jeremiah A.	01/01/14	08/31/18	0	962,767	(35,032)
		Total by Primary Sponsor								0	962,767
011568 Rio Tinto	011568 Rio Tinto	6930074	C	P069850	AGREEMENT DATED 1/1/14	Kirchain /Randolph E	01/01/14	12/31/20	153,990	1,656,716	95,946
		Total by Primary Sponsor								153,990	1,656,716
011628 Skolkovo Institute of Science and Technology	011628 Skolkovo Institute of Science and Technology	6929355	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	08/31/19	5,627	3,129,795	0
		6929900	C	P069850	186-MRA	Thompson /Carl Vernette	10/01/13	04/20/21	3,695	886,484	882,789
		6929901	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernette	10/01/13	04/30/20	103,382	0	(818,478)
		6929902	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernette	10/01/13	01/23/20	0	185,388	(0)
		6929903	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernette	10/01/13	01/23/20	1,577	27,729	0

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		6929910	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	2,714	(0)
		6929911	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	104,619	634,314	0
		6929912	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	287,859	0
		6929913	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	157,874	0
		6929920	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	0	31	(0)
		6929921	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	0	205,497	(0)
		6929922	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	92,443	675,876	(0)
		6929923	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	0	205,225	0
		6929930	C	P069850	AGREEMENT DATED 10/1/13	Tuller /Harry L	10/01/13	01/23/20	0	0	0
		6929933	C	P069850	AGREEMENT DATED 10/1/13	Tuller /Harry L	10/01/13	01/23/20	8,614	1,024,912	(0)
		6929940	C	P069850	AGREEMENT DATED 10/1/13	Chiang /Yet-Ming	10/01/13	01/23/20	0	0	0
		6929941	C	P069850	AGREEMENT DATED 10/1/13	Chiang /Yet-Ming	10/01/13	01/23/20	79,607	928,468	(0)
		6929942	C	P069850	AGREEMENT DATED 10/1/13	Chiang /Yet-Ming	10/01/13	01/23/20	0	6,003	0
		6929950	C	P069850	AGREEMENT DATED 10/1/13	Carter /W Craig	10/01/13	01/23/20	0	0	0
		6929954	C	P069850	AGREEMENT DATED 10/1/13	Carter /W Craig	10/01/13	01/23/20	0	139,210	0
		6929960	C	P069850	AGREEMENT DATED 10/1/13	Hammond /Paula T	10/01/13	01/23/20	0	0	0
		6929961	C	P069850	AGREEMENT DATED 10/1/13	Hammond /Paula T	10/01/13	01/23/20	0	75,828	0
		6929962	C	P069850	AGREEMENT DATED 10/1/13	Hammond /Paula T	10/01/13	01/23/20	0	113,442	0

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		6929970	C	P069850	AGREEMENT DATED 10/1/13	Cummins /Christopher C	10/01/13	01/23/20	0	0	0
		6929971	C	P069850	AGREEMENT DATED 10/1/13	Cummins /Christopher C	10/01/13	01/23/20	26,742	690,976	(0)
		6929972	C	P069850	AGREEMENT DATED 10/1/13	Cummins /Christopher C	10/01/13	01/23/20	0	4,808	0
		6929980	C	P069850	AGREEMENT DATED 10/1/13	Kolpak /Alexie M	10/01/13	01/23/20	0	0	0
		6929982	C	P069850	AGREEMENT DATED 10/1/13	Kolpak /Alexie M	10/01/13	01/23/20	0	312,432	(0)
		6929983	C	P069850	AGREEMENT DATED 10/1/13	Kolpak /Alexie M	10/01/13	01/23/20	0	199,746	0
		6931099	C	P069201	AGREEMENT DATED 10/1/13	Sasisekharan /Ram	10/01/13	12/31/18	(1,198)	1,456,558	(0)
		6935255	C	P065005	1916/R	Turitsyn /Konstantin	09/01/16	11/30/19	127,232	828,889	(0)
		6935263	C	P065005	1917/R	Youcef-Toumi /Kamal	09/01/16	01/15/20	84,354	695,908	(171)
		6935275	C	P400600	1924/R	Zhang /Feng	09/01/16	11/30/19	4,590	500,000	(538)
		6935278	C	P152000	1914/R	Nelson /Keith Adam	09/01/16	11/30/19	20,410	500,400	(0)
		6935280	C	P060600	1915/R	Velasquez-Heller /Luis Fernand	12/01/16	11/30/19	213,693	738,150	0
		6935283	C	P402000	1923/R	Anderson /Daniel Griffith	12/01/16	11/30/19	72,240	409,507	(0)
		6935284	C	P267500	RES. AGMT. NO. 1910/R	White /Jacob K	09/01/16	11/30/19	178,239	753,750	(0)
		6935297	C	P165000	1911/R	Bathe /Mark	09/01/16	11/30/19	141,589	460,428	0
		6935298	C	P065004	1912/R	Hart /Anastasios John	09/01/16	11/30/19	118,506	720,441	0
		6935299	C	P065004	1913/R	Buonassisi /Anthony	09/01/16	11/30/19	134,802	744,891	0
		6935320	C	P069850	1919/R	Gedik /Nuh	09/01/16	11/30/19	125,879	733,967	(0)

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		6935321	C	P069850	1918/R	Chiang /Yet-Ming	09/01/16	04/03/20	215,497	733,988	0
		6935332	C	P068000	1922/R	Li /Ju	09/01/16	11/30/19	(12,277)	332,905	0
		6935424	C	P267111	AGMT NO. 1920/R	Daniel /Luca	09/01/16	11/30/19	315,766	733,604	0
		6935425	C	P267111	AGMT NO. 1921/R	Berggren /Karl K	09/01/16	11/30/19	47,922	702,371	0
		6937497	C	P062000	RESEARCH AGREEMENT NO 4016	Brushett /Fikile R	09/01/17	08/31/19	(28,217)	100,470	(0)
		6937681	C	P267111	AGMT NO. 1921/R	Berggren /Karl K	09/01/16	11/30/19	3,097	11,831	0
		6937763	C	P068700	RESEARCH AGREEMENT NO. 4015	Polyanskiy /Yury	09/01/17	02/28/19	34	200,000	0
		6938709	C	P152000	RESEARCH AGREEMENT NO 4016	Willard /Adam P.	09/01/17	08/31/19	48,978	99,530	(0)
		6939523	C	P065004	1912/R	Hart /Anastasios John	09/01/16	11/30/19	0	10,953	0
		6939947	C	P069850	186-MRA	Grossman /Jeffrey C.	07/01/18	01/23/20	0	63,146	0
		Total by Primary Sponsor								2,237,442	21,426,302
011636 Total American Services, Inc.	011636 Total American Services, Inc.	6939936	C	P159400	SRA EFFECTIVE 01/01/2019	Paltsev /Sergey	01/01/19	12/31/21	154,069	360,000	179,554
		6942093	C	P153000		Nakata /Norimitsu	09/01/19	12/31/21	41,335	369,204	327,869
	Total by Primary Sponsor								195,404	729,204	507,423
011638 Heising-Simons Foundation	011638 Heising-Simons Foundation	6932507	C	P158000	GRANT 2015-076	Formaggio /Joseph A	09/01/15	08/31/21	71,223	675,692	81,287
		6935806	C	P158000	GRANT #2017-229	Conrad /Janet Marie	04/01/17	09/01/22	160,528	432,573	209,137
		6936339	C	P158000	GRANT #2017-243	Perez /Kerstin M.	06/01/17	12/31/19	58,414	204,318	(7,209)
		6936587	C	P158000	GRANT #2017-243	Perez /Kerstin M.	06/01/17	12/31/19	67,688	211,743	9,329

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		6937098	C	P153000	GRANT #2017-383	de Wit /Julien	08/27/17	08/31/20	34,539	601,500	15
		6938744	C	P158000	GRANT #2018-0766	Perez /Kerstin M.	06/01/18	05/31/22	107,547	550,000	289,401
		6938762	C	P158000	GRANT #2017-229	Conrad /Janet Marie	09/01/18	09/01/20	1,410	92,400	28
		6938965	C	P153000	2018-0906	Seager /Sara	07/01/18	10/31/19	10	149,374	(0)
		6938987	C	P320000	GRANT #2018-0869	Armstrong /Robert C	07/01/18	08/31/21	241,205	500,000	195,724
		6939265	C	P158000	GRANT #2017-243	Perez /Kerstin M.	06/01/17	12/31/19	12,116	153,956	31
		6940093	C	P153000	2018-1104	Seager /Sara	03/01/19	02/28/22	92,186	649,945	457,759
		6940515	C	P158000	GRANT # 2019-1271	Winslow /Lindley	03/01/19	07/31/22	64,265	150,000	85,735
		6940630	C	P153000	2019-1259	Binzel /Richard P	07/08/19	08/31/22	102,775	385,743	282,968
		6941589	C	P158000	2019-1375	Perez /Kerstin M.	07/02/19	12/31/20	70,531	346,500	275,969
		Total by Primary Sponsor								1,084,436	5,103,744
011642 ENEL Foundation	011642 ENEL Foundation	6938159	C	P035000	EF/U/036/2017	Ratti /Carlo	11/01/17	02/28/20	99,316	100,000	642
	Total by Primary Sponsor								99,316	100,000	642
011650 Council on Library and Information Resources	011650 Council on Library and Information Resources	6943171	C	P038000	RAR_007_662	Barry /Judith	05/01/20	02/28/21	13,348	47,305	33,957
	Total by Primary Sponsor								13,348	47,305	33,957
011655 International Growth Centre	006120 Harvard University	6937957	C	P091020	200481-5098142	Olken /Benjamin	09/12/16	05/31/19	0	19,824	8,251
	011655 International Growth Centre	6933836	C	P091020	1-VCS-VCCN-VXXXX-47302	Olken /Benjamin	11/01/15	09/30/16	0	9,720	267
		6937956	C	P091020	1-VRU-VNEC-VXXXX-89443	Donaldson /David John	10/31/17	08/31/19	38,446	90,000	32,424
	Total by Primary Sponsor								38,446	119,544	40,942

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011657 Anheuser-Busch InBev	011657 Anheuser-Busch InBev	6936184	C	P121012	PO#480041976	Bertsimas /Dimitris J	02/01/17	12/31/19	26,541	600,000	(0)
		6941793	C	P121012	PO 4800494834	Trichakis /Nikolaos	06/01/19	01/15/22	126,754	529,130	402,376
	Total by Primary Sponsor								153,295	1,129,130	402,376
011659 Merck, Sharp and Dohme Corp	011659 Merck, Sharp and Dohme Corp	6938827	C	P062000	LKR170504	Trout /Bernhardt L	06/01/18	12/31/21	96,060	296,522	117,661
	Total by Primary Sponsor								96,060	296,522	117,661
011663 Leidos Biomedical Research Inc.	010085 The Broad Institute, Inc.	6940733	C	P039070	5101211-5500001186	Boyden /Edward	03/28/18	06/30/20	239,310	350,817	111,507
	Total by Primary Sponsor								239,310	350,817	111,507
011675 Moderna Therapeutics	011675 Moderna Therapeutics	6938778	C	P402000	PO#4500034040 / PAULA HAMMOND SRA EFFECTIVE 6-1-2018	Hammond /Paula T	06/01/18	01/08/20	19,082	95,409	0
	Total by Primary Sponsor								19,082	95,409	0
011677 Enel Ingegneria e Ricerca S.p.A.	011677 Enel Ingegneria e Ricerca S.p.A.	6929029	C	P320000	ENEL COMITES PROGRAM RESEARCH AGR EFF 5/1/2013	Stoner /Robert	05/01/13	03/31/15	0	224,217	0
	Total by Primary Sponsor								0	224,217	0
011685 Samsung Information Systems America, Inc.	011685 Samsung Information Systems America, Inc.	6929854	C	P039010	AGMT DATED 4/1/14	Lieberman /Henry A	04/01/14	09/30/14	0	74,557	(0)
	Total by Primary Sponsor								0	74,557	(0)
011689 BASF Corporation	011689 BASF Corporation	6932148	C	P267200	AGMT EFF. 8/31/15	Shao-Horn /Yang	08/01/15	12/31/20	111,561	1,050,000	162,098
		6937784	C	P067952	AGREEMENT DATED 12/15/17	Matusik /Wojciech	12/15/17	03/31/20	149,942	340,000	5,287
		6939905	C	P063007		Buehler /Markus J	09/01/18	02/28/21	114,459	180,000	41,361
		6939971	C	P067952	AGMT DTD 09/01/18	Matusik /Wojciech	09/01/18	08/31/20	80,173	440,000	157,787
		6940721	C	P121175	87327865	McAfee /Andrew P.	02/01/19	07/31/21	189,390	379,058	189,668

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		6942986	C	P063007	3012020	Cordero Sanchez /Otto X.	02/15/20	02/14/22	5,087	309,999	304,912
	Total by Primary Sponsor								650,611	2,699,057	861,112
011693 Versalis S.p.A.	011693 Versalis S.p.A.	6929077	C	P320000	5210000541	Stephanopoulos /Gregory	01/01/14	12/31/16	0	751,250	(0)
	Total by Primary Sponsor								0	751,250	(0)
011694 Melanoma Research Alliance Foundation	005817 Dana Farber Cancer Institute	6939976	C	P152000	6326001	Pentelute /Bradley L.	06/01/18	05/31/19	0	39,208	(0)
		6942002	C	P152000	6326002	Pentelute /Bradley L.	06/01/19	05/31/20	53,127	61,277	8,150
	011694 Melanoma Research Alliance Foundation	6938537	C	P402000	MRA TEAM SCIENCE AWARD #565436	White /Forest M	06/01/18	05/31/20	22,981	50,000	11,893
		6938608	C	P402010	MRA TEAM SCIENCE AWARD #565436	Birnbaum /Michael E	06/01/18	05/31/20	32,497	100,000	16,839
		6938610	C	P402012	MRA TEAM SCIENCE AWARD #565436	Spranger-Zimmermann /Stefani	06/01/18	05/31/20	46,698	100,000	(673)
		6938612	C	P402010	MRA TEAM SCIENCE AWARD #565436	Wittrup /Karl Dane	06/01/18	05/31/20	20,986	50,000	1,475
		6940740	C	P402000	MRA YOUNG INVESTIGATOR AWARD #613202	Spranger-Zimmermann /Stefani	06/01/19	05/31/21	52,164	75,000	22,836
	Total by Primary Sponsor								228,453	475,485	60,521
011723 Takeda Pharmaceuticals U.S.A., Inc.	011723 Takeda Pharmaceuticals U.S.A. Inc.	6938058	C	P067952	PO 4100201854	Kellis /Manolis	02/02/18	01/31/20	147,056	1,258,493	1,211
		6938187	C	P067952	PO 4100201854	Kellis /Manolis	02/02/18	01/31/20	163,121	332,200	0
		6938919	C	P402000	AGREEMENT DATED 6/12/18	Spranger-Zimmermann /Stefani	06/14/18	12/13/20	6,000	201,498	49,079
		6939007	C	P402000	AGREEMENT EFFECTIVE 7/11/18	Chen /Jianzhu	07/11/18	07/10/19	8,242	199,325	0
		6942475	C	P060051	AGMT EFFECTIVE 1/1/202	Collins /James J.	01/01/20	12/31/22	0	0	0
		6942590	C	P060052	AGMT EFFECTIVE 1/1/202	Collins /James J.	01/01/20	12/31/22	3,163	0	(3,163)

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		6942591	C	P060052	AGMT EFFECTIVE 1/1/202	Collins /James J.	01/01/20	12/31/22	0	0	0
		6942592	C	P060052	AGMT EFFECTIVE 1/1/202	Collins /James J.	01/01/20	12/31/22	5,605	939,739	934,134
		6943026	C	P060600	AGMT EFFECTIVE 1/1/202	Boning /Duane S	04/01/20	03/31/22	20,042	100,000	79,958
		6943027	C	P267111	AGMT EFFECTIVE 1/1/202	Daniel /Luca	04/01/20	03/31/22	10,276	50,000	39,724
		6943028	C	P401800	AGMT EFFECTIVE 1/1/202	Sarma /Sanjay E	04/01/20	03/31/22	5,939	150,000	144,061
		6943051	C	P062000	D824	Myerson /Allan S.	04/01/20	03/31/22	13,363	300,000	286,637
		6943196	C	P060052	AGMT EFFECTIVE 1/1/202	Coley /Connor Wilson	04/01/20	03/31/22	0	225,000	225,000
		6943201	C	P060052	AGMT EFFECTIVE 1/1/202	Collins /James J.	01/01/20	12/31/22	0	125,000	125,000
		6943239	C	P067952	AGMT EFFECTIVE 1/1/202	Szolovits /Peter	01/01/20	03/31/22	26,264	300,000	273,736
		6943243	C	P060052	AGMT EFFECTIVE 1/1/202	Mansinghka /Vikash K	04/01/20	03/31/22	508	350,000	349,492
		6943247	C	P061901	D835	Collins /James J.	04/01/20	03/31/22	0	175,000	175,000
		6943248	C	P061901	D835	Lu /Timothy K	04/01/20	03/31/22	0	150,000	150,000
		6943254	C	P060052	D864	Glass /James R	04/01/20	03/31/22	9,202	180,000	170,798
		6943255	C	P060052	D864	Subirana /Juan Brian	04/01/20	03/31/22	0	120,000	120,000
		6943277	C	P060052	D828	Golland /Polina	01/01/20	03/31/22	0	125,000	125,000
		6943278	C	P060052	D828	Szolovits /Peter	01/01/20	03/31/22	0	125,000	125,000
		6943279	C	P060052	D828	Anthony /Brian	01/01/20	03/31/22	0	125,000	125,000
		6943280	C	P060052	D844	Jaakkola /Tommi S	04/01/20	03/31/22	0	125,000	125,000

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		6943281	C	P060052	D844	Andreas /Jacob D	04/01/20	03/31/22	0	125,000	125,000
		6943282	C	P060052	D809	Barzilay /Regina	04/01/20	03/31/22	0	150,000	150,000
	Total by Primary Sponsor								418,782	5,931,254	3,895,665
011735 PUSAN NATIONAL UNIVERSITY	011735 PUSAN NATIONAL UNIVERSITY	6935076	C	P068000	AGREEMENT EFF. 06/01/2016	Short /Michael P	06/01/16	11/30/19	832	442,394	6,775
	Total by Primary Sponsor								832	442,394	6,775
011748 General Research Institute for Nonferrous Metals(GRINM)	011748 General Research Institute for Nonferrous Metals(GRINM)	6932942	C	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	01/01/16	12/31/20	237,789	1,143,223	(144,973)
		6936565	C	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	05/31/17	09/01/19	11	26,250	(7,302)
		6936628	C	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	05/01/17	09/01/19	0	30,527	0
	Total by Primary Sponsor								237,800	1,200,000	(152,274)
011756 Equinor	011756 Equinor	6929241	C	P320000	MEMBER AGR NO.4502981450	Armstrong /Robert C	02/01/14	01/31/24	0	231,763	101,717
		6932160	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Vandiver /John Kim	03/01/15	12/31/15	0	49,900	(0)
		6932672	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Short /Michael P	09/01/15	11/30/17	0	505,274	0
		6932876	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Varanasi /Kripa	09/01/15	12/31/18	(805)	502,339	0
		6933123	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Yildiz /Bilge	09/01/15	12/31/18	0	496,922	(0)
		6937112	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Yildiz /Bilge	09/01/17	09/30/17	0	5,210	0
		6937919	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Sakti /Apurba	11/01/17	10/31/19	37,948	233,379	3,672
		6938757	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Yildiz /Bilge	06/01/18	05/31/21	118,435	395,071	173,890
		6943348	C	P320000	MEMBER AGR NO.4502981450	Hu /Juejun	06/01/20	11/30/21	0	125,000	125,000

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	Total by Primary Sponsor								155,577	2,544,857	404,279
011815 Boulder Nonlinear Systems Inc.	011815 Boulder Nonlinear Systems Inc.	6941953	C	P066000	RESEARCH AGREEMENT DATED 11-15-2019	Hu /Juejun	11/15/19	01/14/20	8,925	15,000	6,075
	Total by Primary Sponsor								8,925	15,000	6,075
011832 The Research Council of Norway	006849 Norwegian University of Science and Technology	6935767	C	P320000	FME HIGHEFF AGREEMENT 2017-02-02	Barton /Paul I	06/01/17	05/31/21	153,989	249,788	(155,859)
	107098 NORCE Norwegian Research Center AS	6937481	C	P065005	AGMT DTD 04/02/2017	Liu /Yuming	04/02/17	12/31/19	31,103	303,984	(5,750)
	107238 University of South-Eastern Norway	6943403	C	P067952		Edelman /Alan	03/01/20	12/31/24	0	106,064	106,064
	107295 SINTEF Ocean	6942341	C	P067952	702392 OSTERLIE	Adelson /Edward H	08/01/19	12/31/20	0	10,033	10,033
	Total by Primary Sponsor								185,092	669,869	(45,512)
011835 Hyundai Motor Company	003088 Hyundai Motor Company	6938270	C	P065004	AGREEMENT DATED 3/1/18	Kim /Jeehwan	03/01/18	10/31/19	795	174,202	(18,671)
	Total by Primary Sponsor								795	174,202	(18,671)
011854 Edwards Lifesciences LLC	011854 Edwards Lifesciences LLC	6932359	C	P061901	AGMT DATED JULY 23, 2015	Edelman /Elazer R	04/19/15	06/30/21	189,021	1,487,999	209,858
	Total by Primary Sponsor								189,021	1,487,999	209,858
011859 The Grainger Foundation	011859 The Grainger Foundation	6933908	C	P063007	AGMT DTD 4/30/16	Williams /Earle R	04/01/16	09/30/20	118,577	413,228	40,260
	Total by Primary Sponsor								118,577	413,228	40,260
011888 Abu Dhab National Oil Company (ADNOC)	011507 Khalifa University of Science	6932769	C	P153000	AGREEMENT DATED 10/7/15	Einstein /Herbert H	09/01/15	12/31/19	534,114	2,549,682	(0)
	Total by Primary Sponsor								534,114	2,549,682	(0)
011904 Novo Nordisk A/S	011904 Novo Nordisk A	6935435	C	P402000	AGREEMENT 12/15/2016	Anderson /Daniel Griffith	12/15/16	12/14/19	804,261	2,795,463	0
		6937792	C	P152000	ID CMS DOC #586981	Pentelute /Bradley L.	12/15/17	12/31/20	564,948	1,610,225	(10,050)

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		6939213	C	P061901	AGREEMENT DTD 8/19/18	Langer /Robert S	08/19/18	08/18/21	931,277	2,817,793	(51,451)
		6939333	C	P061901	AGREEMENT DTD 8/19/18	Langer /Robert S	08/19/18	08/18/21	633,690	1,982,207	1,131,046
		6940037	C	P067952	CMS-654158	Kellis /Manolis	12/12/18	07/01/20	525,782	763,348	(8,406)
		6940309	C	P065005	CMS-657835	Traverso /Carlo Giovanni	02/01/19	01/31/21	607,102	1,088,172	105,286
		6940977	C	P152000	ID CMS DOC #586981	Pentelute /Bradley L.	04/01/19	08/01/19	7,049	14,775	0
		Total by Primary Sponsor							4,074,108	11,071,983	1,166,425
011921 Walton Family Foundation	006120 Harvard University	6938337	C	P400600	256555-5106977	Gabrieli /John D. E.	09/01/17	08/31/19	20,294	61,112	(0)
		6942675	C	P400600	256555-5106977	Gabrieli /John D. E.	09/01/19	10/31/20	43,967	88,888	44,922
	011921 Walton Family Foundation	6942223	C	P091000	00101234	Pathak /Parag	11/01/19	10/31/20	43,646	74,069	30,423
		6942262	C	P091000	00101546	Angrist /Joshua	11/01/19	10/31/22	21,432	910,696	889,264
	Total by Primary Sponsor								129,339	1,134,765	964,608
011922 Amsterdam Metropolitan Solutions Institute (AMS)	011922 Amsterdam Metropolitan Solutions Institute (AMS)	6934777	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	08/31/21	0	56,228	41,898
		6934778	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	08/31/21	0	0	0
		6935864	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	12/31/20	700,699	2,699,944	271,333
		6935865	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	12/31/20	11,440	480,267	22,743
		6935866	C	P063007	AGMT DTD 02/13/2016	Whittle /Andrew	09/01/16	12/31/20	22,799	124,563	22,799
		6935867	C	P067952	AGMT DTD 02/13/2016	Rus /Daniela L	09/01/16	12/31/20	129,500	506,567	42,128
		6935868	C	P035000	AGMT DTD 02/13/2016	Frenchman /Dennis M	09/01/16	12/31/20	22,748	115,336	(0)

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		6938107	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	11/01/17	08/31/21	119,010	329,696	60,963
	Total by Primary Sponsor								1,006,196	4,312,601	461,864
011935 IKEA	011935 IKEA	6931631	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	01/01/15	12/31/15	0	99,971	(0)
	Total by Primary Sponsor								0	99,971	(0)
011941 TATA PROJECTS LIMITED	011941 TATA PROJECTS LIMITED	6931919	C	P065005	SRA DTD. 07/16/2015	Winter /Amos G	07/01/15	08/31/19	49,490	662,063	(218,858)
		6940207	C	P065005	SRA DTD. 07/16/2015	Winter /Amos G	06/24/18	08/31/19	(808)	171,104	0
	Total by Primary Sponsor								48,682	833,168	(218,858)
011948 Democracy Fund, Inc.	011948 Democracy Fund, Inc.	6937493	C	P095500	R-201708-02076	Stewart /Charles H	12/01/17	11/30/20	174,720	600,000	254,895
	Total by Primary Sponsor								174,720	600,000	254,895
011965 Merck, Sharpe and Dohme Corp	011965 Merck, Sharpe and Dohme Corp	6936869	C	P061901	LKR157861	Shalek /Alexander K	09/12/17	03/11/20	35,745	394,866	(18,851)
	Total by Primary Sponsor								35,745	394,866	(18,851)
011970 Wistron Corporation	011970 Wistron Corporation	6930430	C	P067952	CONTRACT NO. 1030826	Rus /Daniela L	09/01/14	08/31/18	0	0	0
		6930431	C	P067950	CONTRACT NO. 1030826	Rus /Daniela L	09/01/14	08/31/18	0	456,726	(0)
		6930432	C	P067952	CONTRACT NO. 1030826	Golland /Polina	09/01/14	08/31/18	0	600,193	(0)
		6930433	C	P067952	CONTRACT NO. 1030826	Rudin /Cynthia	09/01/14	08/31/16	0	299,178	(0)
		6930434	C	P067952	CONTRACT NO. 1030826	Karger /David R	09/01/14	08/31/18	0	546,202	(0)
		6930792	C	P067952	CONTRACT NO. 1030826	Katabi /Dina	09/01/14	08/31/18	0	735,183	63
		6931645	C	P067952	CONTRACT NO. 1030826	Jackson /Daniel	09/01/14	08/31/18	0	347,369	(0)

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		6932003	C	P067952	CONTRACT NO. 1030826	Katabi /Dina	01/01/15	08/31/18	0	165,149	0
		6937050	C	P067950	AGMT. DTD. 9/1/17	Rus /Daniela L	09/01/17	08/31/24	0	300,000	300,000
		6937863	C	P067950	AGMT. DTD. 9/1/17	Rus /Daniela L	07/01/17	08/31/21	112,827	450,000	73,766
		6937864	C	P067952	AGMT. DTD. 9/1/17	Katabi /Dina	09/01/17	08/31/20	102,308	600,000	130,130
		6937865	C	P067952	AGMT. DTD. 9/1/17	Golland /Polina	09/01/17	08/31/20	310,752	900,000	35,701
		6937866	C	P067952	AGMT. DTD. 9/1/17	Guttag /John V	09/01/17	08/31/20	110,842	900,000	107,147
	Total by Primary Sponsor								636,730	6,300,000	646,807
011980 Ping An Technology	011980 Ping An Technology	6931180	C	P067950	AGREEMENT DATED JANUARY 1, 2015	Rus /Daniela L	01/01/15	12/31/18	0	299	299
		6931181	C	P067950	AGREEMENT DATED JANUARY 1, 2015	Rus /Daniela L	01/01/15	12/31/18	0	651,768	0
		6931182	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Rus /Daniela L	01/01/15	12/31/18	0	822,411	(383)
		6931183	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Glass /James R	01/01/15	12/31/18	0	770,761	0
		6931184	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Glass /James R	01/01/15	12/31/18	0	754,761	0
		6937935	C	P067952	AGMT DTD 1/1/18	Glass /James R	01/01/18	12/31/20	80,702	450,000	153,135
	Total by Primary Sponsor								80,702	3,450,000	153,051
011985 Interlub, S.A. de C.V.	011985 Interlub, S.A. de C.V.	6930697	C	P066000	RESEARCH AGREEMENT 9/1/2014	Holten-Andersen /Niels	09/01/14	12/31/19	4,293	159,992	0
	Total by Primary Sponsor								4,293	159,992	0
011994 University of Hawaii Foundation	007646 University of Hawaii	6942071	C	P065005	MA 1496	Peacock /Thomas	04/01/19	05/01/21	0	70,000	70,000
		6942609	C	P065005	MA 1496	Lermusiaux /Pierre	04/01/19	05/01/21	12,156	80,000	67,844

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	Total by Primary Sponsor								12,156	150,000	137,844
011996 Sarepta Therapeutics Inc	011996 Sarepta Therapeutics Inc	6931659	C	P152000	AGREEMENT EFFECTIVE 3/9/2015	Pentelute /Bradley L.	03/16/15	12/31/19	313,426	1,161,982	338,207
		6932141	C	P152000	AGREEMENT EFFECTIVE 3/9/2015	Pentelute /Bradley L.	05/28/15	07/15/16	0	23,515	0
		6932419	C	P152000	SRPT105362	Pentelute /Bradley L.	06/17/15	06/30/21	588,547	2,251,327	(151,568)
	Total by Primary Sponsor								901,972	3,436,824	186,639
012014 Sunovion Pharmaceuticals Inc.	012014 Sunovion Pharmaceuticals Inc.	6935081	C	P400600	AGREEMENT DATED 10-1-2016	Whitfield-Gabrieli /Susan	10/01/16	06/30/19	0	63,541	62
	Total by Primary Sponsor								0	63,541	62
012020 Commercial Real Estate Women Network (CREW)	012020 Commercial Real Estate Women Network (CREW)	6941557	C	P033000		Saiz /Albert	08/05/19	12/30/20	67,697	89,981	22,284
	Total by Primary Sponsor								67,697	89,981	22,284
012031 American Forest and Paper Association	012031 American Forest and Paper Association	6931609	C	P066000	RESEARCH AGREEMENT 2/1/2015	Olivetti /Elsa A	02/01/15	06/30/19	(3,277)	329,821	(0)
	Total by Primary Sponsor								(3,277)	329,821	(0)
012043 SHANGHAI INSTITUTE OF NUCLEAR APPLIED PHYSICS, CHINESE ACADEMY	012043 SHANGHAI INSTITUTE OF NUCLEAR APPLIED PHYSICS, CHINESE ACADEMY	6931460	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	07/01/15	06/30/18	0	330,914	28,643
		6931461	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	07/01/15	12/31/18	0	454,960	5,137
		6931462	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	07/01/15	09/30/19	22,996	647,586	237,280
		6931463	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	07/01/15	06/30/18	0	637,987	9,888
		6934128	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	05/17/16	12/31/16	0	40,277	0
		6939823	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	09/01/18	08/31/20	210,245	152,926	(59,449)
		6939824	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	09/01/18	08/31/20	18,490	71,562	45,377

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		6939825	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	09/01/18	08/31/20	108,624	98,901	(128,701)
		6939826	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	09/01/18	08/31/20	118,864	87,188	(146,687)
	Total by Primary Sponsor								479,218	2,522,301	(8,510)
012052 Massachusetts Department of Public Health	012052 Massachusetts Department of Public Health	6936111	C	P063007	INTF7900HH2500224542	Eltahir /Elfatih A. B.	04/04/17	08/31/17	(8,701)	56,472	376
		6937766	C	P063007	INTF7900H78500224643	Eltahir /Elfatih A. B.	09/01/17	08/31/19	36,998	91,399	9
		6938738	C	P063007	INTF7900H78500224643	Eltahir /Elfatih A. B.	09/01/17	08/31/19	(145)	21,545	(6)
	Total by Primary Sponsor								28,151	169,416	380
012065 Hangzhou Jinjiang Group	012065 Hangzhou Jinjiang Group	6931401	C	P069850	AGRMNT EFFCTVE 11/01/2014	Kirchain /Randolph E	11/01/14	06/30/17	0	299,246	50,081
	Total by Primary Sponsor								0	299,246	50,081
012076 The Leona M. and Harry B. Helmsley Charitable Trust	012076 The Leona M. and Harry B. Helmsley Charitable Trust	6937880	C	P062000	#2015PG-T1D063	Anderson /Daniel Griffith	12/01/17	11/30/19	155,622	451,634	(0)
		6940047	C	P267600	GRANT #3239	Lu /Timothy K	12/01/18	11/30/20	357,844	763,011	341,647
		6940534	C	P065005	GRANT #1911-03347	Traverso /Carlo Giovanni	03/01/19	02/28/21	874,956	1,312,740	290,998
		6940738	C	P065005	GRANT #3239	Traverso /Carlo Giovanni	12/01/18	11/30/20	206,119	840,989	609,162
	Total by Primary Sponsor								1,594,542	3,368,374	1,241,806
012102 Northrop Grumman Corporation	012102 Northrop Grumman Corporation	6932847	C	P061096	PO 7500141758	Tan /Choon S	09/01/15	07/31/19	(395)	750,000	(0)
		6935808	C	P067952	AGMT. DTD. 9/1/09	Shrobe /Howard E	09/01/16	08/31/17	0	0	0
		6935809	C	P069400	AGMT. DTD. 9/1/09	Pentland /Alex Paul	09/01/16	08/31/17	0	191,654	(0)
		6937568	C	P067952	AGMT. DTD. 9/1/09	Kagal /Lalana S	10/01/17	08/31/20	102,721	396,442	48,463

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		6937569	C	P069400	AGMT. DTD. 9/1/09	Pentland /Alex Paul	10/01/17	09/30/18	0	145,000	(0)
		6941201	C	P061096	PO 7500168195	Tan /Choon S	07/01/19	06/30/20	148,735	251,203	102,469
	Total by Primary Sponsor								251,060	1,734,300	150,932
012120 ExxonMobil Global Services Company	012120 ExxonMobil Global Services Company	6933820	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/14	Fisher /John W	03/01/16	02/28/18	0	635,281	0
	Total by Primary Sponsor								0	635,281	0
012130 Wuxi Wei High-technology Group Co., LTD	012130 Wuxi Weifu High-technology Group Co., LTD	6937729	C	P068000	AGREEMENT DATED 12/1/17	Li /Ju	12/01/17	12/31/19	(17,196)	249,840	(0)
	Total by Primary Sponsor								(17,196)	249,840	(0)
012137 MKS Instruments	012137 MKS Instruments	6932314	C	P267110	AGREEMENT DTD 7/1/15	Perreault /David J	07/01/15	06/30/19	(23,975)	408,085	(0)
		6940948	C	P267110	SRA DTD 10/02/2019	Perreault /David J	09/01/19	08/31/21	170,618	404,093	233,475
	Total by Primary Sponsor								146,643	812,178	233,475
012168 The G. Harold & Leila Y. Mathers Charitable Foundation	012168 The G. Harold & Leila Y. Mathers Charitable Foundation	6938844	C	P152000	MIT183	Shoulders /Matthew D.	06/15/18	06/14/21	165,613	365,831	(60,661)
		6938859	C	P400600	AGREEMENT DTD. 5/25/18	Zhang /Feng	06/15/18	06/14/21	486,350	500,000	13,650
		6938863	C	P151065	MIT181	Boyer /Laurie Ann	06/15/18	09/15/20	216,109	495,000	14,972
		6939159	C	P152000	MIT183	Shoulders /Matthew D.	06/15/18	06/14/21	79,147	134,169	55,022
	Total by Primary Sponsor								947,218	1,495,000	22,983
012175 Universidad Autonoma de Mexico	012175 Universidad Autonoma de Mexico	6933692	C	P065004	INVOICES: 90257867 & 90265199	Buonassisi /Anthony	04/01/16	03/31/18	(570)	100,000	(0)
	Total by Primary Sponsor								(570)	100,000	(0)
012208 Swiss Reinsurance Company Ltd	012208 Swiss Reinsurance Company Ltd	6937215	C	P121012	PO CH2-40037976	Bertsimas /Dimitris J	09/01/17	08/31/19	25,114	600,000	0

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	Total by Primary Sponsor								25,114	600,000	0
012216 OCP S.A.	012216 OCP S.A.	6932743	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	10/01/15	09/30/21	0	251,390	251,390
		6934050	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	10/01/15	09/30/21	198,399	1,500,000	504,950
		6934320	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	09/01/16	09/30/21	167,594	799,093	300,498
		6934826	C	P152000	AGMT DATED 9/28/2015	Cummins /Christopher C	10/01/16	09/30/21	80,087	300,000	(30,188)
		6935996	C	P063076	AGMT DATED 9/28/2015	Fernandez /John	10/01/16	09/30/21	113,846	749,563	333,143
		6935997	C	P062000	AGMT DATED 9/28/2015	Barton /Paul I	10/01/16	09/30/21	55,059	750,000	361,089
		6935998	C	P063076	AGMT DATED 9/28/2015	Marelli /Benedetto	10/01/16	09/30/21	55,038	749,954	217,481
		6937374	C	P152000	AGMT DATED 9/28/2015	Surendranath /Yogesh	10/01/16	09/30/21	30,100	150,000	41,195
		6940734	C	P417500	AGMT DTD 2/1/19	Allanore /Antoine	02/01/19	01/31/22	42,789	159,051	115,292
		6941773	C	P069400	AGMT DATED 9/1/19	de Neufville /Richard L	09/01/19	01/31/21	80,152	278,290	198,138
	Total by Primary Sponsor								823,065	5,687,341	2,292,987
012223 AIRBUS DS North America	012223 AIRBUS DS North America	6938369	C	P061093	SOW NO. 2	Balakrishnan /Hamsa	02/01/18	05/31/19	0	100,000	(10)
		6941761	C	P061093	SOW NO. 3	Balakrishnan /Hamsa	08/01/19	12/31/20	46,166	100,000	53,834
	Total by Primary Sponsor								46,166	200,000	53,824
012227 Abdul Latif Jameel Community Initiatives International Limited	012227 Abdul Latif Jameel Community Initiatives International Limited	6931848	C	P402410	AGREEMNT DTD 04/21/2015	Lienhard /John H	04/21/15	04/20/23	0	1,568,306	1,565,244
		6932868	C	P402410	AGMT. DTD. 4/21/2015	Strano /Michael S.	09/01/15	08/31/17	0	149,929	0
		6932869	C	P402410	AGREEMNT DTD 04/21/2015	Grossman /Jeffrey C.	09/01/15	08/31/16	0	149,893	0

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		6933057	C	P402410	AGMT. DTD. 4/21/2015	Sinskey /Anthony J	09/01/15	12/31/17	0	150,000	(0)
		6934781	C	P402410	AGREEMNT DTD 04/21/2015	Chen /Gang	09/01/16	11/30/17	0	150,000	0
		6934782	C	P402410	AGREEMNT DTD 04/21/2015	Hatton /Trevor Alan	09/01/16	08/31/17	0	150,000	(0)
		6934783	C	P402410	AGREEMNT DTD 04/21/2015	Karnik /Rohit	09/01/16	08/31/18	0	123,890	(0)
		6934947	C	P402410	AGREEMNT DTD 04/21/2015	Klibanov /Alexander M	09/01/16	08/31/18	0	300,000	0
		6935043	C	P402410	AGREEMNT DTD 04/21/2015	Smith /Amy B	09/01/16	12/31/18	0	172,794	(0)
		6937219	C	P402410	AGREEMNT DTD 04/21/2015	Lienhard /John H	09/01/17	08/31/19	0	142,384	0
		6937220	C	P402410	AGREEMNT DTD 04/21/2015	Varanasi /Kripa	09/01/17	06/30/20	98,203	300,000	55,629
		6937538	C	P402410	AGREEMNT DTD 04/21/2015	Sarma /Sanjay E	09/01/17	12/31/18	0	99,918	0
		6939696	C	P402410	AGREEMNT DTD 04/21/2015	Ghoniem /Ahmed F	09/01/18	12/31/19	44,513	132,555	0
		6939709	C	P402410	AGREEMNT DTD 04/21/2015	Ravel /Jeffrey S	09/01/18	08/31/20	126,148	256,396	36,584
		6939783	C	P402410	AGREEMNT DTD 04/21/2015	Hart /Anastasios John	09/01/18	06/30/20	105,102	150,000	26,757
		6940507	C	P402410	AGREEMNT DTD 04/21/2015	Ghoniem /Ahmed F	03/01/19	12/31/19	5,337	10,330	0
		6941459	C	P402410	AGREEMNT DTD 04/21/2015	Gleason /Karen K	09/01/19	12/31/20	91,435	150,000	58,565
		Total by Primary Sponsor									470,738
012229 Kenneth Rainin Foundation	012229 Kenneth Rainin Foundation	6932570	C	P267600	GRANT NO. 2015-735	Lu /Timothy K	10/01/15	09/30/16	0	100,000	(10,548)
	Total by Primary Sponsor								0	100,000	(10,548)
012234 ActuaTech Foundation	012234 ActuaTech Foundation	6931842	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	05/01/15	04/30/20	793,787	3,635,469	781

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		6941690	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	09/01/19	04/30/20	14,531	14,531	0
	Total by Primary Sponsor								808,319	3,650,000	781
012239 Novo Nordisk Foundation	007787 Whitehead Institute/Biomedical Research	6938161	C	P402000	30-1915-9902	Sharp /Phillip A	12/15/17	12/14/20	96,858	429,199	275,384
		6938277	C	P069201	30-1915-9902	Griffith /Linda G	12/15/17	12/14/20	256,805	1,145,605	590,096
		6939772	C	P069201	30-1915-9902	Griffith /Linda G	10/01/18	09/30/19	6,360	14,936	0
	011715 University of Copenhagen	6934306	C	P062000	LTR. AGREEMENT	Stephanopoulos /Gregory	06/01/16	08/31/20	52,045	304,785	(898)
	Total by Primary Sponsor								412,069	1,894,525	864,582
100000 Future Of Life Institute	100000 Future Of Life Institute	6939761	C	P154500	2018-190186 (5388)	Tenenbaum /Joshua B	09/01/18	08/31/20	37,115	75,000	(548)
	Total by Primary Sponsor								37,115	75,000	(548)
100060 New Venture Fund	100060 New Venture Fund	6941662	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	266,736	5,450,000	5,183,264
		6942028	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	117,927	1,500,000	1,382,073
		6942029	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	1,636,709	500,000	(1,136,709)
		6942356	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	117,903	1,000,000	882,097
		6942357	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	61,436	1,000,000	938,564
		6943135	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	9,959	1,000,000	990,041
	Total by Primary Sponsor								2,210,670	10,450,000	8,239,330
100185 British Academy for the Humanities and Social Sciences	100185 British Academy for the Humanities and Social Sciences	6937094	C	P091020	EC170116	Duflo /Esther	08/31/17	03/29/19	0	450,000	(19,435)
	Total by Primary Sponsor								0	450,000	(19,435)
100202 Clinical Research Associates, LLC	100202 Clinical Research Associates, LLC	6935350	C	P400600	507562	Robertson /Caroline	11/01/16	08/31/19	0	0	0

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		6937720	C	P400600	507562	Robertson /Caroline	11/01/17	08/31/19	(873)	172,453	0
	Total by Primary Sponsor								(873)	172,453	0
100222 BV Tech Spa	100222 BV Tech Spa	6942566	C	P121110	AGMT DTD. 2/3/2020	Siegel /Michael D	02/04/20	04/30/21	98,132	1,000,000	901,868
	Total by Primary Sponsor								98,132	1,000,000	901,868
100223 B2W Companhia Digital	100223 B2W Companhia Digital	6938616	C	P069500	AGMNT DTD 7/1/18	Caplice /Christopher	07/01/18	06/30/19	(47,621)	199,615	(0)
	Total by Primary Sponsor								(47,621)	199,615	(0)
100244 The Manton Foundation	100244 The Manton Foundation	6932469	C	P069201	LETTER DATED AUGUST 7, 2015	Griffith /Linda G	09/01/15	08/31/20	498	740,000	5,408
		6936001	C	P069201	LETTER DATED AUGUST 7, 2015	Griffith /Linda G	09/01/17	08/31/20	497,061	1,553,500	113,621
		6941914	C	P069201	LETTER DATED AUGUST 7, 2015	Griffith /Linda G	10/01/19	08/31/20	28,078	46,500	18,422
	Total by Primary Sponsor								525,637	2,340,000	137,451
100249 HeHa Digital Health Limited	100249 HeHa Digital Health Limited	6932325	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	07/01/15	06/30/16	0	398,000	(0)
	Total by Primary Sponsor								0	398,000	(0)
100322 Ormco Corp.	100322 Ormco Corp.	6933425	C	P069850	AGREEMENT DATED 1/1/16	Schuh /Christopher A	01/01/16	12/31/18	(19,379)	425,000	(0)
	Total by Primary Sponsor								(19,379)	425,000	(0)
100342 Boston Scientific Corporation	100342 Boston Scientific Corporation	6932540	C	P061901	AGREEMENT DATED 8/11/2015	Edelman /Elazer R	08/01/15	12/31/19	8,336	631,569	(0)
	Total by Primary Sponsor								8,336	631,569	(0)
100464 TransitCenter	100464 TransitCenter	6932999	C	P035000	AGMT DTD 2/4/16	Zegras /Pericles C	01/01/16	10/31/17	0	149,623	(0)
	Total by Primary Sponsor								0	149,623	(0)

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100548 King Abdullah University of Science and Technology (KAUST)	100548 King Abdullah University of Science and Technology (KAUST)	6933238	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/16	0	83,017	0
		6933500	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	01/01/16	12/31/20	0	27	27
		6933543	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	09/10/15	06/30/16	0	53,629	(0)
		6934157	C	P267100	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/17	0	0	0
		6934158	C	P267100	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/17	0	97,116	0
		6934159	C	P267200	OSR-2015-CRG4-2634	Van Voorhis /Troy	04/01/16	06/30/17	0	92,025	0
		6934406	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/16	06/30/17	0	110,856	0
		6935165	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/17	0	0	0
		6935166	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	12/31/16	0	77,779	0
		6935167	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/17	0	126,564	0
		6935168	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/18	0	0	0
		6935169	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	12/31/17	0	106,617	0
		6935170	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/18	0	103,102	0
		6935174	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	12/31/18	0	106,838	(0)
		6935347	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	05/01/17	06/30/17	0	9,882	5,550
		6936217	C	P065005	OSR-2016-RPP-3268.03	Lermusiaux /Pierre	05/01/17	04/30/20	38,662	159,997	34,900
		6936243	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/17	06/30/18	0	59,571	0
		6936245	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/18	06/30/19	88	60,138	49,709

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		6936247	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/19	03/31/20	47,643	45,468	(2,175)
		6936427	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/17	06/30/18	0	110,083	(0)
		6936688	C	P267100	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/18	0	109,641	(0)
		6936789	C	P267200	OSR-2015-CRG4-2634	Van Voorhis /Troy	04/01/16	06/30/18	0	117,357	(0)
		6937874	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	04/01/18	06/30/18	0	15,544	0
		6937875	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/18	06/30/19	0	34,808	139
		6937876	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/19	06/30/20	35,815	35,923	108
		6937877	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/20	03/31/21	0	36,999	36,999
		6938660	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/18	06/30/19	(1,538)	113,683	(0)
		6939763	C	P267200	OSR-2015-CRG4-2634	Van Voorhis /Troy	07/01/18	03/31/19	(253)	60,617	0
		6939764	C	P267100	OSR-2015-CRG4-2634	Kong /Jing	07/01/18	03/31/19	0	63,148	(1,005)
		6940677	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	01/01/19	06/30/19	4,236	105,361	(0)
		6940678	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	07/01/19	06/30/20	0	18,715	18,715
		6940679	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	07/01/19	12/31/19	88,527	88,527	0
		6940681	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	01/01/20	06/30/20	107,861	105,856	(2,005)
		6940683	C	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	07/01/20	12/31/20	0	105,856	105,856
		6940753	C	P068700	OSR-2018-CRG7-3756.2	Dahleh /Munther A	04/01/19	03/31/22	120,546	79,832	(40,714)
		6940868	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/19	06/30/20	100,752	113,130	12,378

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		6943305	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/20	12/31/20	0	56,565	56,565
	Total by Primary Sponsor								542,340	2,664,272	275,047
100563 Lockheed Martin	100563 Lockheed Martin	6934785	C	P067952	PO #4102647653	Shah /Julie A	08/01/16	07/31/20	28,563	300,000	47,658
		6936284	C	P266300	2017-001/PO4103956705	Triantafyllou /Michael S	04/28/17	12/31/19	57,918	218,879	232
		6936954	C	P266300	2017-001	Triantafyllou /Michael S	04/28/17	06/30/19	6,870	51,121	0
	Total by Primary Sponsor								93,350	570,000	47,891
100702 Andiscern Corporation	100702 Andiscern Corporation	6934200	C	P068000	LTR. AGREEMENT	Danagouliau /Areg	05/31/16	12/31/19	20,234	174,727	(66)
	Total by Primary Sponsor								20,234	174,727	(66)
100742 Abiomed	100742 Abiomed	6933597	C	P061901	AGMT EFF DATE 5/1/16	Edelman /Elazer R	05/01/16	04/30/22	294,479	2,528,540	1,509,817
	Total by Primary Sponsor								294,479	2,528,540	1,509,817
100783 Array BioPharma Inc.	100783 Array BioPharm Inc.	6933833	C	P069201	SRA DTD. 12/15/2016	White /Forest M	04/01/16	04/01/20	26,361	149,960	0
		6934213	C	P069201		Lauffenburger /Douglas A	04/01/16	04/01/20	542	75,040	0
	Total by Primary Sponsor								26,902	225,000	0
100785 Northrop Grumman Information Systems Sector	100785 Northrop Grumman Information Systems Sector	6920761	C	P067950	AGMT. DTD. 9/1/09	Rus /Daniela L	09/01/09	08/31/20	0	0	0
	Total by Primary Sponsor								0	0	0
100825 Cardiatis S.A. Limited	100825 Cardiatis S.A. Limited	6932976	C	P061901	AGMT. EXEC. DATE 4/11/16	Edelman /Elazer R	04/01/16	12/31/22	9,681	596,413	242,135
	Total by Primary Sponsor								9,681	596,413	242,135
100865 Shumway Capital	100865 Shumway Capital	6934712	C	P069201	AGREEMENT EFF. 08/31/2016	Alm /Eric J	08/31/16	01/31/18	(2,943)	471,000	0

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	Total by Primary Sponsor								(2,943)	471,000	0
100982 F. Hoffmann-La Roche Ltd	100982 F. Hoffmann-La Roche Ltd	6934144	C	P402000	AGREEMENT DATED 10/1/2015	Langer /Robert S	05/01/16	04/30/18	(308)	734,286	0
	Total by Primary Sponsor								(308)	734,286	0
100985 National Geographic Society	100985 National Geographic Society	6942131	C	P031000	NGS-5405T-19	Tibbits /Skylar	03/01/20	03/01/21	3,483	29,000	25,517
	Total by Primary Sponsor								3,483	29,000	25,517
101032 Philips Research North America	101032 Philips Research North America	6936540	C	P067952	EXHIBIT B-9 AGMT DATED 6/1/17	Golland /Polina	06/01/17	05/31/21	248,329	541,400	(8,724)
		6936693	C	P067952	PO 4520233664	Golland /Polina	07/01/17	06/30/21	299,578	719,971	266,562
		6938036	C	P067952	PO 4520217705	Barzilay /Regina	01/01/18	12/31/18	63,877	195,886	(1,254)
		6942231	C	P060600	PO 4520169503 - EFF 5/19/15 MRCA (HEALTH TECH)	Sodini /Charles G	09/01/19	08/31/21	48,040	689,374	641,334
		6942405	C	P065004	PO 4520169503 - EFF 5/19/15 MRCA (HEALTH TECH)	Anthony /Brian	09/01/19	08/31/21	109,708	189,432	79,724
		6942406	C	P060600	PO 4520169503 - EFF 5/19/15 MRCA (HEALTH TECH)	Lee /Hae-Seung	09/01/19	08/31/21	0	50,000	50,000
	Total by Primary Sponsor								769,532	2,386,063	1,027,643
101069 ProTom International Holding Corporation	101069 ProTom International Holding Corporation	6937338	C	P159900	AGREEMENT DATED SEP 1, 2017	Redwine /Robert P	09/01/17	05/31/20	22,839	553,000	519,842
	Total by Primary Sponsor								22,839	553,000	519,842
101182 Calico Life Sciences LLC	101182 Calico Life Sciences LLC	6933578	C	P402000	AGREEMENT DATED 2/16/2016	Vander Heiden /Matthew G.	04/16/16	07/01/20	138,764	801,401	740
		6933837	C	P402000	AGREEMENT DATED 2/16/2016	Jacks /Tyler E	04/01/16	12/31/19	64,277	1,092,440	(0)
		6940814	C	P152000	AGMT. DTD. 6/10/19	Pentelute /Bradley L.	03/15/19	03/14/21	932,811	1,338,469	394,321
	Total by Primary Sponsor								1,135,852	3,232,310	395,061

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101184 PUMA SE	101184 PUMA SE	6935183	C	P093800	AGREEMENT EFFECTIVE 01/01/2017	Paradis /James G	01/01/17	12/31/19	196,407	1,500,000	9
	Total by Primary Sponsor								196,407	1,500,000	9
101222 Acceleron Pharma, Inc.	101222 Acceleron Pharma, Inc.	6933594	C	P061901	AGMT EFFECTIVE DATE 7/15/16	Liau /Jane-Jane Chen	07/15/16	02/28/20	11,788	279,685	0
	Total by Primary Sponsor								11,788	279,685	0
101244 Ferrero International SA	101244 Ferrero International SA	6937119	C	P039010	PO# 4109007673	Harper /Caleb Benjamin	05/01/17	02/28/19	0	212,039	0
		6937413	C	P039010	AGREEMENT DATED 5/1/2017	Harper /Caleb Benjamin	09/01/17	02/28/19	0	93,517	0
		6937414	C	P039010	AGREEMENT DATED 5/1/2017	Harper /Caleb Benjamin	09/01/17	02/28/19	0	35,962	0
		6937847	C	P039010	AGREEMENT EFF 10/1/17	Ishii /Hiroshi	07/01/13	12/31/19	76,223	249,976	0
		6940296	C	P039010	AGREEMENT DATED JAN 2, 2019	Paradiso /Joseph A	01/01/19	02/28/19	13,173	32,000	0
	Total by Primary Sponsor								89,396	623,494	0
101245 Adenoid Cystic Carcinoma Foundation	101245 Adenoid Cystic Carcinoma Foundation	6940027	C	P402000	AGREEMENT DATED 11/5/18	Koehler /Angela Nicole	12/01/18	11/30/19	72,283	139,473	(0)
	Total by Primary Sponsor								72,283	139,473	(0)
101246 Hong Kong Jockey Club Charities Trust	101246 Hong Kong Jockey Club Charities Trust	6933663	C	P067952	AGREEMENT DATED 5/1/16	Abelson /Harold	05/01/16	10/31/23	1,185,478	4,114,968	76,131
	Total by Primary Sponsor								1,185,478	4,114,968	76,131
101247 Anonymous	101247 Anonymous	6933580	C	P091020	REF.: 15.3149/R152840	Duflo /Esther	01/01/16	09/30/18	(107)	549,140	(0)
	Total by Primary Sponsor								(107)	549,140	(0)
101293 Vlkbio Tec	101293 Vlkbio Tech	6934504	C	P267300	AGREEMENT EFFECTIVE 03/01/2016	Dresselhaus /Mildred S	03/01/16	10/31/16	0	38,502	0
	Total by Primary Sponsor								0	38,502	0

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101563 National Geographic	101563 National Geographic	6940195	C	P153000	EC-50828R-18	Nichols /Claire I O	01/01/19	07/31/20	8,581	8,590	2
	Total by Primary Sponsor								8,581	8,590	2
101603 Children's Trust of South Carolina	006977 Harvard School of Public Health	6935367	C	P091020	209450-5099853	Bates /Mary Ann	03/15/16	09/15/20	87,824	312,868	(12)
	Total by Primary Sponsor								87,824	312,868	(12)
101622 Defence Science and Technology Group, Department of Defence	101622 Defence Science and Technology Group, Department of Defence	6940633	C	P062000	PO#4501071448	Rutledge /Gregory C	04/12/19	03/31/21	93,011	66,963	(26,048)
	Total by Primary Sponsor								93,011	66,963	(26,048)
101642 Global Energy Interconnection Research Institute North America	101642 Global Energy Interconnection Research Institute North	6942421	C	P417500	AGMT DTD 1/1/2020	Hu /Juejun	01/01/20	12/31/21	117,796	700,000	582,204
	Total by Primary Sponsor								117,796	700,000	582,204
101662 Prolec S.A. de C.V.	101662 Prolec S.A. de C.V.	6935268	C	P267110	AGREEMENT EFFECTIVE 11/01/16	Cooke /Chathan M	01/01/17	12/31/21	230,135	1,138,405	439,504
		6935597	C	P267110	AGREEMENT EFFECTIVE 11/01/16	Cooke /Chathan M	02/01/17	09/30/21	37,433	93,792	36,626
	Total by Primary Sponsor								267,568	1,232,197	476,131
101703 Foundation for Ophthalmology Research and Education Internation	101703 Foundation for Ophthalmology Research and Education	6941155	C	P400600		Ghosh /Satrajit S	05/01/19	04/30/20	30,000	30,000	(0)
	Total by Primary Sponsor								30,000	30,000	(0)
101785 Fundacion Mario Santo Domingo	101785 Fundacion Mario Santo Domingo	6935399	C	P030001	AGREEMENT EFFECTIVE 11/18/16	Santos /Adele Naude	01/01/17	10/31/17	0	45,379	0
	Total by Primary Sponsor								0	45,379	0
101822 Brigham Research Institute	101822 Brigham Research Institute	6942174	C	P065004	122137	Kolle /Mathias	11/01/19	10/31/20	39,662	115,000	75,338
	Total by Primary Sponsor								39,662	115,000	75,338
101842 Metalsa	101842 Metalsa	6935646	C	P069850	AGREEMENT DATED 1/20/17	Tasan /Cemal	01/20/17	05/31/19	24,793	273,169	4,276

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
	Total by Primary Sponsor								24,793	273,169	4,276
101843 Cancer Research UK	007685 University of Edinburgh	6942607	C	P402000	C42454/A28596 REF. 7054685	Hammond /Paula T	01/01/20	12/31/24	46,304	721,724	675,420
	101843 Cancer Research UK	6935966	C	P400600	C60839/A25036	Boyden /Edward	05/01/17	04/30/21	281,624	821,373	136,214
	102237 Wyss Institute	6941288	C	P061901	289544.0001	Collins /James J.	02/01/19	01/15/20	63,864	63,876	12
		6942593	C	P061901	289544.00001-Y2	Collins /James J.	01/16/20	01/15/21	16,274	52,390	36,116
	Total by Primary Sponsor								408,066	1,659,363	847,761
101865 Research Corporation For Science Advancement	101865 Research Corporation For Science Advancement	6935804	C	P152000	AWARD #24088	Willard /Adam P.	07/01/17	12/31/21	0	100,000	54,666
		6935805	C	P152000	AWARD #24080	Surendranath /Yogesh	07/01/17	06/30/20	56,734	100,000	(4,445)
		6940321	C	P158000	AWARD #25928	Perez /Kerstin M.	07/01/19	06/30/22	50,719	100,000	49,281
	Total by Primary Sponsor								107,453	300,000	99,502
101870 University of California, Los Angeles	007070 Pennsylvania State University	6942214	C	P320000	SC00013-UCLA	Anthony /Brian	04/01/19	09/30/20	83,874	179,477	95,603
	Total by Primary Sponsor								83,874	179,477	95,603
101906 Wal-mart Foundation	101906 Wal-mart Foundation	6935004	C	P121580	AGREEMENT DTD. 10/17/2016	Levi /Retsef	10/01/16	10/30/20	559,885	3,231,901	76,008
		6935427	C	P121580	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/20	64,124	728,765	0
		6936287	C	P121580	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/20	33,897	283,540	0
		6936288	C	P121580	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/20	155,001	320,437	0
		6941975	C	P121580	42238569	Springs /Stacy	10/31/19	11/01/21	123,779	546,574	422,796
		6941976	C	P121580	42238569	Levi /Retsef	10/31/19	11/01/21	365,202	1,867,080	1,501,879

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		6941977	C	P121580	42238569	Springs /Stacy	10/31/19	11/01/21	51,631	250,682	199,051
		6941978	C	P121580	42238569	Springs /Stacy	10/31/19	11/01/21	79,523	319,915	240,393
	Total by Primary Sponsor								1,433,041	7,548,896	2,440,125
101948 Synfuels Americas	101948 Synfuels Americas	6935381	C	P065005	AGMT DTD 1/1/17	Youcef-Toumi /Kamal	01/01/17	08/31/21	268,174	872,327	52,121
		6938868	C	P065005	AGMT DTD 1/1/17	Youcef-Toumi /Kamal	01/01/17	12/31/19	39,398	159,786	88,563
	Total by Primary Sponsor								307,572	1,032,113	140,684
101992 International Food Policy Research Institute	101992 International Food Policy Research Institute	6941819	C	P159400	RA NO. 2019X252.MIT	Strzepek /Kenneth	07/01/19	03/31/21	111,360	184,989	73,628
	Total by Primary Sponsor								111,360	184,989	73,628
102005 NanoBiotix	102005 NanoBiotix	6936750	C	P402000	AGREEMENT DATED 8/1/2017	Langer /Robert S	11/01/17	10/31/19	13,193	438,407	(1,058)
	Total by Primary Sponsor								13,193	438,407	(1,058)
102008 CN Bio Innovations Limite	102008 CN Bio Innovations Limited	6943332	C	P069201	AGMT DTD. 06/02/2020	Trumper /David L	06/01/20	05/31/21	4,648	100,000	95,352
	Total by Primary Sponsor								4,648	100,000	95,352
102048 National Taipei University of Technology	102048 National Taipei University of Technolog	6939803	C	P039000	AGREEMENT EFF 8/1/2011	Larson /Kent	08/01/18	10/31/19	35,777	351,852	(0)
		6940220	C	P039000	AGREEMENT EFF 8/1/2011	Larson /Kent	01/01/19	10/31/19	75,121	148,148	0
	Total by Primary Sponsor								110,899	500,000	(0)
102130 Toyota Research Institute	102130 Toyota Research Institute	6932600	C	P067950	LP-C000765-SR	Rus /Daniela L	09/01/15	12/31/20	745	539,003	536,934
		6932601	C	P067950	LP-C000765-SR	Rus /Daniela L	09/01/15	08/31/20	408,767	1,541,230	431,879
		6932602	C	P067952	LP-C000765-SR	Glass /James R	12/01/15	12/31/20	350,599	1,373,388	81,080

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		6932603	C	P067952	LP-C000765-SR	Rosenholtz /Ruth Ellen	12/01/15	11/30/20	0	0	(1,388)
		6932604	C	P067952	LP-C000765-SR	Amarasinghe /Saman P	12/01/15	11/30/20	154,470	739,775	62,558
		6933627	C	P067952	LP-C000765-SR	Matusik /Wojciech	12/01/15	11/30/20	373,865	1,486,000	(35,904)
		6933738	C	P067952	LP-C000765-SR	Solar Lezama /Armando	12/01/15	12/31/20	440,052	1,213,372	(36,211)
		6933739	C	P067952	LP-C000765-SR	Sussman /Gerald J	12/01/15	12/31/20	157,095	953,000	5,877
		6933848	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	02/28/19	1,793	3,000,000	276,740
		6933849	C	P067952	LP-C000765-SR	Katabi /Dina	12/01/15	11/30/18	(6,212)	509,875	11,040
		6933850	C	P067952	LP-C000765-SR	Tenenbaum /Joshua B	12/01/15	12/31/20	159,599	1,000,000	94,978
		6933851	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	12/31/20	397,659	2,086,959	792,283
		6933852	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	12/31/20	974,502	4,063,097	746,568
		6933854	C	P067952	LP-C000765-SR	Rosenholtz /Ruth Ellen	12/01/15	11/30/20	253,765	1,198,855	109,940
		6933855	C	P067952	LP-C000765-SR	Oliva /Aude	12/01/15	11/30/18	0	476,465	0
		6933856	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	11/30/18	0	286,293	(17,357)
		6934000	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	11/30/19	53,126	655,363	(108,639)
		6934066	C	P067952	LP-C000765-SR	Horn /Berthold K P	12/01/15	11/30/18	0	615,885	(18,993)
		6934080	C	P067952	LP-C000765-SR	Roy /Nicholas	12/01/15	11/30/20	304,276	1,077,000	35,494
		6934082	C	P067952	LP-C000765-SR	Adelson /Edward H	12/01/15	12/31/20	411,706	1,656,989	165,966
		6934276	C	P067952	LP-C000765-SR	Adelson /Edward H	06/15/16	11/30/17	0	6,006	0

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		6934476	C	P067952	LP-C000765-SR	Katabi /Dina	12/01/15	11/30/18	(507)	282,125	0
		6934536	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/15	11/30/18	(32,711)	949,000	1,176
		6934537	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/15	11/30/18	(9,278)	988,000	(46,244)
		6934538	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	11/30/20	188,296	1,877,731	172,940
		6934650	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	12/31/20	398,383	807,041	46,462
		6934740	C	P067952	LP-C000765-SR	Katz /Boris	12/01/15	11/30/20	201,429	1,168,000	102,227
		6935250	C	P067952	LP-C000765-SR	Rus /Daniela L	01/01/16	11/30/19	7,549	366,903	328,343
		6935276	C	P067952	LP-C000765-SR	Adelson /Edward H	09/01/16	11/30/18	0	202,114	0
		6935484	C	P067952	LP-C000765-SR	Adelson /Edward H	12/01/16	06/30/17	0	10,842	0
		6935596	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	06/15/17	0	36,602	0
		6935743	C	P067952	LP-C000765-SR	Durand /Frederic	03/31/16	02/28/17	0	5,313	0
		6935752	C	P267200	PO TRI0001057	Shao-Horn /Yang	03/01/17	02/28/21	255,985	1,200,000	308,195
		6935753	C	P267111	GROSSMAN/SHAO-HORN AGMT 3/1/17	Grossman /Jeffrey C.	03/01/17	02/28/21	0	0	0
		6935960	C	P267200	EFFECTIVE DATE TBD	Roman /Yuriy	03/01/17	02/28/21	248,936	1,200,000	250,991
		6935999	C	P267111	AGMT EFF DATE 3/1/17	Grossman /Jeffrey C.	03/01/17	02/28/21	629,717	2,136,411	249,705
		6936000	C	P267200	AGMT EFF DATE 3/1/17	Shao-Horn /Yang	03/01/17	02/28/21	326,814	1,275,000	292,375
		6936016	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	03/31/17	0	5,354	0
		6936019	C	P267200	AGMT EFF DATE 3/1/17	Johnson /Jeremiah A.	03/01/17	02/28/21	196,984	850,000	151,319

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		6936062	C	P062000	PO TRI0001063	Bazant /Martin Z	03/01/17	02/28/21	826,967	1,996,000	(1,079)
		6936199	C	P267111	AGMT EFF DATE 3/1/17	Willard /Adam P.	03/01/17	02/28/21	74,858	470,146	141,309
		6936228	C	P062000	PO# TRI0001063	Braatz /Richard D	03/01/17	02/28/21	216,975	880,000	175,372
		6936499	C	P065004	HART AGMT 6/1/17 / TRI0002444	Hart /Anastasios John	06/01/17	05/31/19	0	544,844	(13,262)
		6936621	C	P267111	AGMT EFF DATE 3/1/17	Sra /Suvrit	03/01/17	02/28/19	0	68,443	0
		6938539	C	P067952	LP-C000765-SR	Rodriguez Garcia /Alberto	01/01/18	12/31/20	198,590	549,999	48,125
		6938761	C	P067952	LP-C000765-SR	Solomon /Justin	06/01/18	12/31/20	194,891	400,000	(23,121)
		6939150	C	P067952	LP-C000765-SR	Adelson /Edward H	06/01/18	12/31/20	269,921	365,800	(95,049)
		6939151	C	P067952	LP-C000765-SR	Kim /Sangbae	06/01/18	12/31/20	115,219	300,000	11,596
		6939152	C	P067952	LP-C000765-SR	Matusik /Wojciech	01/01/18	12/31/20	361,284	799,181	(13,572)
		6939253	C	P067952	LP-C000765-SR	Rus /Daniela L	06/01/18	12/31/20	150,287	197,610	47,323
		6939509	C	P067952	LP-C000765-SR	Jackson /Daniel	06/01/18	12/31/20	176,291	407,375	75,465
		6939703	C	P067952	LP-C000765-SR	Matusik /Wojciech	10/01/18	01/15/19	0	8,684	0
		6939907	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/18	12/31/20	341,095	565,000	17,525
		6940051	C	P267200	PO TRI0002979	Shao-Horn /Yang	12/14/18	02/28/21	895,733	1,000,000	104,267
		6940855	C	P065004	HART AGMT 6/1/17 / TRI0002444	Hart /Anastasios John	08/01/17	05/31/19	0	5,156	16
		6943324	C	P122030	LP-C000765-SR	Malone /Thomas W	01/01/20	12/31/20	51,933	165,000	113,067
	Total by Primary Sponsor								10,721,446	46,562,230	5,578,316

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102143 Independence Blue Cross	102143 Independence Blue Cross	6939335	C	P061901	SOW #1	Sontag /David Alexander	07/16/18	08/31/22	76,042	897,789	707,670
	Total by Primary Sponsor								76,042	897,789	707,670
102145 Viakable SA de CV	102145 Viakable SA de CV	6935963	C	P062000	AGREEMENT DATED 3-1-2017	Hatton /Trevor Alan	03/01/17	02/28/20	46,184	512,197	(0)
	Total by Primary Sponsor								46,184	512,197	(0)
102148 Boston Globe	102148 Boston Globe	6935729	C	P121175		Aral /Sinan Kayhan	01/01/17	12/31/22	(4,632)	399,985	104,617
	Total by Primary Sponsor								(4,632)	399,985	104,617
102149 Eureka Forbes	102149 Eureka Forbes	6935492	C	P065005	AGMT DTD 1/2/17	Winter /Amos G	09/01/16	08/31/17	(3,496)	103,110	0
		6940648	C	P065005		Winter /Amos G	01/01/19	08/31/20	90,942	189,980	61,198
	Total by Primary Sponsor								87,446	293,090	61,198
102163 TAKREEF Research Centre	010063 Masdar Institute of Science and Technology	6935344	C	P060600	AGMT DTD 9/1/2016	Palacios /Tomas	09/01/16	08/31/19	0	405,000	54,858
	Total by Primary Sponsor								0	405,000	54,858
102164 Washington Center for Equitable Growth	007676 University of California - Berkeley	6936352	C	P091000	00009504	Williams /Heidi L	01/01/17	06/30/18	0	39,909	(17)
		6943090	C	P091000	00010182	Jaeger /Simon C.	09/01/19	08/31/20	0	24,729	24,729
	102164 Washington Center for Equitable Growth	6941277	C	P121400	AGMT. DTD 7/26/19	Kelly /Erin L.	09/01/19	08/31/20	60,343	80,000	19,657
		6941792	C	P121400	AGMT. DTD. 10/4/19	Wilmers /Nathan Eric	09/01/19	03/01/21	14,849	30,510	15,661
	Total by Primary Sponsor								75,192	175,148	60,030
102165 Anonymous Foundation B	102165 Anonymous Foundation B	6935341	C	P091020	AGMT DTD 12/9/16	Sautmann /Anja	11/01/16	06/30/20	18,412	535,367	882
	Total by Primary Sponsor								18,412	535,367	882

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102232 United States-Israel Binational Science Foundation	102232 United States-Israel Binational Science Foundation	6937642	C	P069850	2016389	Checkelsky /Joseph	10/01/17	09/30/19	25,396	60,000	(0)
		6939946	C	P267600	GRANT NO. 2017189	Lu /Timothy K	10/01/18	09/30/20	78,132	65,000	(13,132)
	Total by Primary Sponsor								103,528	125,000	(13,132)
102233 Lockheed Martin Corporation	102233 Lockheed Martin Corporation	6934071	C	P061093	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16	Hastings /Daniel E	05/13/16	10/31/24	0	3,380,464	3,380,464
		6934996	C	P067952	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16 / PO 410265055	Katabi /Dina	08/01/16	07/31/17	0	80,000	0
		6935149	C	P061090	RPP2016-002	How /Jonathan P	09/01/16	08/31/20	183,243	412,500	90,305
		6935150	C	P061093	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16	Hastings /Daniel E	05/13/16	10/31/24	42,234	481,500	326,169
		6935225	C	P065005	RPP 2016-006	Schmidt /Henrik	11/01/16	10/31/19	5,289	365,919	0
		6935226	C	P065004	RPP 2016-008	Hart /Anastasios John	11/01/16	08/31/21	32,345	211,595	39,235
		6935227	C	P063007	RPP 2016-007	Williams /John R	09/01/16	08/31/20	0	150,000	92,606
		6935236	C	P061090	RPP2016-001	Roy /Nicholas	09/01/16	08/31/20	259,161	412,500	(16,350)
		6935237	C	P267200	RPP2016-005	Soljagic /Marin	10/01/16	03/15/18	0	75,000	0
		6935243	C	P067952	RPP2016-002	Tedrake /Russell L	09/01/16	10/31/19	72,288	412,500	(96)
		6935244	C	P061097	RPP2016-002	Karaman /Sertac	09/01/16	08/31/20	19,524	412,500	(618)
		6935251	C	P061096	RPP2016-001	Shah /Julie A	09/01/16	08/31/20	116,789	412,500	64,033
		6936194	C	P267200	RPP2016-005	Johnson /Steven G	10/01/16	03/15/18	0	75,000	(0)
		6939791	C	P065004	RPP 2016-009	Schmidt /Henrik	10/15/18	10/14/19	41,607	125,000	(145)
		6939877	C	P065004	RPP 2016-008	Hart /Anastasios John	10/01/18	08/31/21	0	8,405	0
		6941565	C	P065004	RPP 2016-008	Hart /Anastasios John	11/01/16	08/31/21	24,134	30,000	5,866

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		6942005	C	P061094	U16-001-RPP010	Guerra Garcia /Carmen	10/22/19	10/21/20	83,454	130,000	46,546
		6942006	C	P266300	U16-001-RPP013	Triantafyllou /Michael S	10/21/19	10/20/20	74,761	142,500	67,739
		6942007	C	P068700	U16-001-RPP012	Karaman /Sertac	10/21/19	10/20/20	90,033	125,000	34,967
		6942008	C	P400600	U16-001-RPP014	Poggio /Tomaso A	10/29/19	10/28/20	147,982	250,000	102,018
		6942066	C	P061096	RPP 2019-015	Shah /Julie A	11/04/19	11/03/20	17,153	149,536	132,383
		6942335	C	P266300	U16-001-RPP013	Benjamin /Michael R	10/21/19	10/20/20	42,675	150,000	107,325
		6943117	C	P065004	RPP #2020-016/U16-001-016	Benjamin /Michael R	03/01/20	02/28/21	5,236	70,000	64,764
		6943163	C	P266300	U16-001-RPP013	Triantafyllou /Michael S	03/01/20	08/01/20	2,265	7,500	5,235
		6943489	C	P065004	U16-001-RPP017	Benjamin /Michael R	04/25/20	09/30/20	0	100,000	100,000
	Total by Primary Sponsor								1,260,172	8,169,919	4,642,445
102237 Wyss Institute	102237 Wyss Institute	6942361	C	P061901	229961.0002	Collins /James J.	09/01/19	07/29/20	63,061	67,463	4,402
		6942721	C	P061902	T.DOUGAN.GATES2.OPP1 157033	Greenberg /Julie E	01/01/20	05/31/20	32,061	33,132	1,071
	Total by Primary Sponsor								95,121	100,595	5,474
102240 Tongji University	102240 Tongji University	6935735	C	P039000		Larson /Kent	02/10/17	02/09/20	270,103	450,000	492
	Total by Primary Sponsor								270,103	450,000	492
102304 eLichens	102304 eLichens	6939251	C	P065004	AGMT DTD 08/24/2018	Karnik /Rohit	06/01/18	05/31/21	104,306	354,308	157,645
		6939513	C	P065004	AGMT DTD 08/24/2018	Karnik /Rohit	09/01/18	10/30/18	0	0	0
	Total by Primary Sponsor								104,306	354,308	157,645

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102323 Nanoelectronics Research Corporation	007534 University of California-San Diego	6936497	C	P267500	PO S9001665 / SUBAWARD 86331976	Bulovic /Vladimir	10/01/16	09/30/19	9,275	79,420	2,383
	102323 Nanoelectronics Research Corporation	6935269	C	P267200	2016-NE-2700	Baldo /Marc A	10/01/16	09/30/19	2,780	66,683	(0)
		6935558	C	P066000	2016-NE-2700	Ross /Caroline A	10/01/16	09/30/19	9,542	66,653	0
	Total by Primary Sponsor								21,597	212,756	2,383
102364 Merck KGaA	102364 Merck KGaA	6939684	C	P066000		Rupp /Jennifer Lilia Marguerit	06/01/18	06/30/19	0	50,000	(2,336)
	Total by Primary Sponsor								0	50,000	(2,336)
102383 Master Dynamic Limited	102383 Master Dynamic Limited	6936718	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	01/21/19	(870)	106,110	(923)
		6936719	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	07/31/19	0	235,709	108,782
		6936720	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	01/21/19	0	106,110	(10,042)
	Total by Primary Sponsor								(870)	447,929	97,817
102388 The Syngenta Foundation for Sustainable Agriculture	102388 The Syngenta Foundation for Sustainable Agriculture	6936419	C	P121012	AGMT DATED 1/3/17	Zheng /Yanchong	01/03/17	12/31/19	12,566	320,000	(0)
	Total by Primary Sponsor								12,566	320,000	(0)
102405 Xylem Inc	102405 Xylem Inc.	6935851	C	P402410	AGMT DTD 3/1/17	Hunter /Ian	03/01/17	08/31/19	10,417	436,265	0
		6936895	C	P402410	AGMT DTD 1/2/2017	Veeramachaneni /Kalyan	08/15/17	08/14/19	27,768	449,069	0
		6938132	C	P402410	AGMT DTD 1/2/2017	Slocum /Alexander H	01/01/18	07/31/20	171,463	450,000	91,107
		6941575	C	P402410	AGMT DTD 1/2/2017	Winter /Amos G	01/01/18	08/31/20	205,705	223,859	18,154
		6942442	C	P402410	AGMT DTD 01/06/2020	Hunter /Ian	11/04/19	05/31/20	78,274	94,000	15,726
	Total by Primary Sponsor								493,627	1,653,192	124,987

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102408 Aalto University	102408 Aalto University	6936178	C	P039000	AGREEMENT EFFECTIVE 4/1/2017	Larson /Kent	04/01/17	03/31/20	169,970	280,000	(55,936)
	Total by Primary Sponsor								169,970	280,000	(55,936)
102411 Shanghai Electric Central Technology	102411 Shanghai Electric Central Technology	6941127	C	P065004	AGMT DTD TBD	Krebs /Hermano I	07/01/19	10/31/20	299,033	397,603	98,570
		6941193	C	P065004	AGMT DTD TBD	Krebs /Hermano I	07/01/19	10/31/20	12,124	31,000	18,876
	Total by Primary Sponsor								311,157	428,603	117,446
102442 Synlogic	102442 Synlogic	6939908	C	P069201	AGMT DATED 6/1/19	Voigt /Christopher A.	06/01/19	07/31/20	70,635	225,000	145,704
	Total by Primary Sponsor								70,635	225,000	145,704
102462 ENN Science and Technology Development Co., Ltd.	102462 ENN Science and Technology Development Co., Ltd.	6936772	C	P320000	AGRMNT EFFECTIVE 11/1/16	Sadoway /Donald Robert	06/16/17	08/31/20	274,258	763,636	22,606
		6940611	C	P320000	AGRMNT EFFECTIVE 11/1/16	Ilic /Marija	03/15/19	03/14/22	295,120	275,000	(64,861)
	Total by Primary Sponsor								569,377	1,038,636	(42,255)
102603 Cenovus Energy, Inc.	102603 Cenovus Energy, Inc.	6936773	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	08/01/17	07/31/20	302,887	641,403	2,028
		6937826	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	09/17/17	01/31/18	0	13,325	0
		6938372	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	12/15/17	04/30/18	0	5,272	0
		6939700	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	09/01/18	08/31/20	44,533	90,000	(12,777)
	Total by Primary Sponsor								347,420	750,000	(10,748)
102643 Quanterix	102643 Quanterix	6942875	C	P062000	RESEARCH AGREEMENT EFFECTIVE 3-3-2020	Sikes Johnson /Hadley	03/03/20	03/03/21	19,756	7,504	(12,252)
	Total by Primary Sponsor								19,756	7,504	(12,252)
102645 The Miami Foundation	102645 The Miami Foundation	6937603	C	P093800	JOURNALISM 360 FUND - MIT	Adams /Allan Wilfred	07/15/17	05/15/18	0	30,000	10,943

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	Total by Primary Sponsor								0	30,000	10,943
102666 SNCF Mobility "SNCF Gares et Connections"	102666 SNCF Mobility "SNCF Gares et Connections"	6938114	C	P031000	AGREEMENT DATED 2/1/2018	Tibbits /Skylar	02/01/18	02/28/19	0	137,112	49
		6938127	C	P069850		Tasan /Cemal	01/01/18	12/31/20	99,704	204,167	(41,622)
	Total by Primary Sponsor								99,704	341,279	(41,573)
102704 Capital One	102704 Capital One	6936569	C	P033000	AGREEMENT DATED 3/1/17	Saiz /Albert	03/01/17	12/31/19	0	80,000	13
	Total by Primary Sponsor								0	80,000	13
102743 Foundation for Food and Agriculture Research	105070 World Wildlife Fund, Inc.	6940662	C	P121012	HK90	Levi /Retsef	12/03/18	11/30/19	25,050	33,733	(0)
	Total by Primary Sponsor								25,050	33,733	(0)
102789 JH Engineering Co. Ltd.	102789 JH Engineering Co. Ltd.	6940316	C	P243021	AGMT. DTD. 02/01/2019	Park /Dongkeun	02/01/19	07/31/20	71,576	110,000	1,844
	Total by Primary Sponsor								71,576	110,000	1,844
102802 Skillsoft Corporation	102802 Skillsoft Corporation	6936849	C	P400600	AGREEMENT DATED MAY 1	Gabrieli /John D. E.	07/01/17	07/31/19	15,903	171,076	0
	Total by Primary Sponsor								15,903	171,076	0
102824 Imam Abdulrahman Bin Faisal University	102824 Imam Abdulrahman Bin Faisal University	6939212	C	P065004	IAU-MIT IRMC	Kim /Sang-Gook	01/01/18	11/07/19	17,755	90,000	20,233
		6939280	C	P065004	IAU-MIT IRMC	Karnik /Rohit	01/01/18	06/30/19	4,169	90,000	4,757
	Total by Primary Sponsor								21,923	180,000	24,989
102827 Amore Pacific	102827 Amore Pacific	6936050	C	P267500	AGREEMENT DATED 06/13/207	Kim /Jeewan	06/01/17	11/30/20	167,699	784,000	236,057
	Total by Primary Sponsor								167,699	784,000	236,057
102829 Topcon Corporation	102829 Topcon Corporation	6935995	C	P267600	AGMT EFF DATE 4/1/17	Fujimoto /James G	04/01/17	09/30/20	35,916	252,000	131,050

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	Total by Primary Sponsor								35,916	252,000	131,050
102862 The Chan Zuckerberg Initiative	007611 University of Connecticut	6942247	C	P400600	369297	Gabrieli /John D. E.	06/01/19	07/31/20	58,991	58,723	(268)
	011199 Silicon Valley Community Foundation	6938125	C	P154000	2018-182642	Rigollet /Philippe	03/01/18	08/31/19	38,081	219,899	(0)
	Total by Primary Sponsor								97,072	278,622	(268)
102906 Magic Leap	102906 Magic Leap	6936516	C	P065005	AGMT DTD. 09/06/2017	Slocum /Alexander H	09/01/17	06/30/19	(10,009)	150,000	(0)
	Total by Primary Sponsor								(10,009)	150,000	(0)
102931 National Pharmaceutical Council	102931 National Pharmaceutical Council	6942862	C	P069400		Hirsch /Paula	03/01/20	02/28/21	46,689	300,000	253,311
	Total by Primary Sponsor								46,689	300,000	253,311
102935 Automobili Lamborghini S.p.A	102935 Automobili Lamborghini S.p.A.	6937471	C	P152000	1346232	Dinca /Mircea	12/01/17	11/30/20	343,303	1,074,730	100,319
		6937500	C	P065004	AGREEMENT DATED 12/1/17	Hart /Anastasios John	11/01/17	10/31/20	155,457	600,000	368,978
	Total by Primary Sponsor								498,760	1,674,730	469,298
102968 Coppel	102968 Coppel	6937303	C	P069500	AGMT. DTD 10/01/2017	Caplice /Christopher	10/01/17	06/30/20	213,307	544,348	14,073
		6937953	C	P069400	102012011039 CL	Williams /John R	02/01/18	01/31/21	278,389	340,000	55,512
		6938681	C	P063007	SRA DTD. 06/19/2018	Simchi-Levi /David	06/01/18	08/31/20	182,044	308,453	(568)
	Total by Primary Sponsor								673,741	1,192,801	69,017
102983 Canadian Imperial Bank of Commerce	102983 Canadian Imperial Bank of Commerce	6936930	C	P121012	CONTRACT NO. 00104246	Bertsimas /Dimitris J	07/01/17	06/30/20	387,394	900,000	(768)
	Total by Primary Sponsor								387,394	900,000	(768)
103022 ITIA-Consiglio Nazionale delle Ricerche	103022 ITIA-Consiglio Nazionale delle Ricerche	6936519	C	P065004	AGMT DTD 1-MAY-2017	Gershwin /Stanley B	05/01/17	04/30/18	0	30,000	1,439

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Ricerche	Total by Primary Sponsor								0	30,000	1,439
103024 Hitachi Automotive Systems Americas, Inc.	103024 Hitachi Automotive Systems Americas, Inc.	6936936	C	P069400	AGMT DTD 08/14/2017	Rebentisch /Eric S	07/01/17	12/31/19	41,729	570,000	(0)
	Total by Primary Sponsor								41,729	570,000	(0)
103043 CMPC Tissue S.A.	103043 CMPC Tissue S.A.	6937066	C	P065005	AGMT DTD. 09/01/2017	Sarma /Sanjay E	09/08/17	09/07/18	(104)	200,000	(3,868)
	Total by Primary Sponsor								(104)	200,000	(3,868)
103045 LuMind Research Down Syndrome Foundation	103045 LuMind Research Down Syndrome Foundation	6936937	C	P159300		Tsai /Li-Huei	07/01/18	06/30/19	(1,687)	220,000	0
	Total by Primary Sponsor								(1,687)	220,000	0
103048 Sanofi Genzyme	103048 Sanofi Genzym	6939562	C	P066000	PO# E001485971	Van Vliet /Krystyn J	10/15/18	05/31/20	20,850	31,816	(2,232)
	Total by Primary Sponsor								20,850	31,816	(2,232)
103049 Tibet Cheezheng Tibetan Medicine Co. Ltd	103049 Tibet Cheezheng Tibetan Medicine Co. Ltd	6936834	C	P065005	AGMT DTD 07/01/2017	Zhao /Xuanhe	07/01/17	07/01/20	208,350	780,977	13
	Total by Primary Sponsor								208,350	780,977	13
103050 Acupay West Indies LLC	103050 Acupay West Indies LLC	6935485	C	P065004	AGMT EFF 5/9/17	Krebs /Hernano I	08/01/17	07/31/19	8,592	488,530	178
		6937650	C	P065004	AGMT EFF 5/9/17	Krebs /Hernano I	09/01/17	07/31/19	0	12,279	0
	Total by Primary Sponsor								8,592	500,810	178
103083 Cellink	103083 Cellink	6937114	C	P402000	AGREEMENT DATED JULY 1, 2017	Langer /Robert S	07/01/17	06/30/18	371	38,922	(0)
	Total by Primary Sponsor								371	38,922	(0)
103084 Blount International Inc.	103084 Blount International Inc.	6937335	C	P065004	AGMT DTD 09/01/2017	Cohen /Tal	09/01/17	08/31/20	50,849	336,047	1,037
	Total by Primary Sponsor								50,849	336,047	1,037

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103123 Naver Lab	103123 Naver Labs	6936518	C	P065004	AGMT DTD 6/1/17	Kim /Sangbae	06/01/17	11/30/19	112,124	400,000	711
		6943388	C	P065004	AGREEMENT DTD.	Kim /Sangbae	06/01/20	05/31/22	0	600,000	600,000
	Total by Primary Sponsor								112,124	1,000,000	600,711
103127 Psiquantum Corp	103127 Psiquantum Co	6937765	C	P267111	P.O. NO. 1308	Berggren /Karl K	10/01/17	09/30/20	157,570	608,064	159,998
		6938339	C	P267111	AGMT. 02/01/18	Englund /Dirk R.	02/01/18	07/31/19	1,052	77,676	0
		6938774	C	P267111	AGMT. 02/01/18	Englund /Dirk R.	02/01/18	07/31/19	390	22,304	0
	Total by Primary Sponsor								159,012	708,044	159,998
103132 Adidas AC	103132 Adidas AG	6938168	C	P069500	SNS/490058559	Caplice /Christopher	02/01/18	05/31/19	44,815	316,459	(0)
	Total by Primary Sponsor								44,815	316,459	(0)
103146 JD.Com American Technologies Corporation	103146 JD.Com American Technologies Corporation	6937645	C	P068700	AGREEMENT DATED 9/1/17	Karaman /Sertac	09/01/17	06/30/19	7,391	697,357	0
		6937658	C	P067952		Rus /Daniela L	07/01/18	06/30/20	192,878	348,622	138,261
		6938913	C	P063007	MASTER RESEARCH AGMT DTD. 07/01/2018	Simchi-Levi /David	07/01/18	06/30/21	0	200,000	200,000
	Total by Primary Sponsor								200,270	1,245,979	338,261
103148 Samsung Advanced Institute of Technology	103148 Samsung Advanced Institute of Technology	6941881	C	P417500	AGMT DTD 10/1/19	Checkelsky /Joseph	10/01/19	09/30/20	73,512	150,000	76,488
	Total by Primary Sponsor								73,512	150,000	76,488
103162 Japan Steel Works, LTD	103162 Japan Steel Works, LTD	6937065	C	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	09/01/17	08/31/20	68,517	392,277	150,162
	Total by Primary Sponsor								68,517	392,277	150,162
103164 NTT Data Corporation	103164 NTT Data Corporation	6938431	C	P039010	AGREEMENT DATED 1/1/18	Picard /Rosalind W.	01/01/18	09/30/19	0	80,000	0

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		6939977	C	P039010	AGREEMENT DATED OCT 18, 2018	Breazeal /Cynthia Lynn	10/01/18	09/12/19	1,497	64,860	0
		6940675	C	P039010	AGREEMENT DATED OCT 18, 2018	Breazeal /Cynthia Lynn	10/01/18	09/12/19	35,140	35,140	0
	Total by Primary Sponsor								36,637	180,000	0
103185 Nomura Research Institute Ltd	103185 Nomura Research Institute, Ltd	6939897	C	P121175	NOMURA-MIT IDE SRA 2018082	Westerman /George F	08/01/18	10/15/19	26,610	131,010	0
	Total by Primary Sponsor								26,610	131,010	0
103186 Change Happens Foundation	103186 Change Happens Foundation	6937369	C	P153000	LETTER DATED 9/7/2017	Seager /Sara	09/07/17	12/31/18	319	150,000	(0)
		6942723	C	P153000		Seager /Sara	02/14/20	02/13/21	40,207	150,000	109,793
	Total by Primary Sponsor								40,526	300,000	109,793
103188 nQ Medical	103188 nQ Medical	6936672	C	P267111	RESEARCH AGMT EFFECTIVE 06/01/17	Gray /Martha L	06/01/17	12/31/19	17,777	82,841	0
	Total by Primary Sponsor								17,777	82,841	0
103204 NICE America Research Inc.	103204 NICE America Research Inc.	6938894	C	P159400	AGREEMENT DTD. 07/23/2018	Paltsev /Sergey	07/01/18	06/30/19	1,542	79,000	(0)
	Total by Primary Sponsor								1,542	79,000	(0)
103267 Wuxi Friedrich Measurement & Control Instruments Co., LTD	103267 Wuxi Friedrich Measurement & Control Instruments Co., LTD	6937064	C	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	09/01/17	08/31/21	110,871	748,103	343,306
		6938144	C	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	02/21/18	02/21/20	4,442	56,729	6,207
	Total by Primary Sponsor								115,312	804,832	349,512
103270 Muscular Dystrophy Canada	103270 Muscular Dystrophy Canada	6938113	C	P061901	LTR DATED 10/2/17	Roche /Ellen	11/01/17	02/28/19	(12,356)	38,227	0
	Total by Primary Sponsor								(12,356)	38,227	0
103288 China-Singapore Suzhou Industrial Park	103288 China-Singapore Suzhou Industrial Park	6936722	C	P067950	AGMT DATETD 9/1/17	Rus /Daniela L	09/01/17	08/31/20	0	1,000,007	1,000,007

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Park		6937539	C	P067950	AGMT DATETD 9/1/17	Rus /Daniela L	09/01/17	08/31/20	(43,704)	364,885	(0)
		6937728	C	P067952	AGMT DATETD 9/1/17	Rus /Daniela L	09/01/17	08/31/20	5,367	58,833	24
		6938553	C	P067952	AGMT DATETD 9/1/17	Solomon /Justin	09/01/17	08/31/18	0	97,258	(0)
		6938554	C	P067952	AGMT DATETD 9/1/17	Shavit /Nir N.	09/01/17	08/31/20	(3,265)	239,023	0
		6939146	C	P067900	AGMT DATETD 9/1/17	Golland /Polina	09/01/17	08/31/19	61,769	239,993	(0)
	Total by Primary Sponsor								20,167	2,000,000	1,000,030
103305 Technologie Servier	103305 Technologie Servier	6937713	C	P152000	CT0069512	Pentelute /Bradley L.	01/01/18	03/31/21	178,480	621,742	186,492
	Total by Primary Sponsor								178,480	621,742	186,492
103323 Ono Pharma Foundatio	103323 Ono Pharma Foundation	6937082	C	P402000	AGREEMENT DATED 8/21/2017	Koehler /Angela Nicole	10/01/17	09/30/20	365,186	1,035,000	240,108
	Total by Primary Sponsor								365,186	1,035,000	240,108
103325 Magna Services of America Inc.	103325 Magna Services of America Inc.	6936870	C	P267500	PO 192500821	Kirtley /James L	09/01/17	08/31/19	79,583	400,000	1,040
	Total by Primary Sponsor								79,583	400,000	1,040
103484 NSK	103484 NSK	6937636	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	03/31/22	149,483	789,562	352,587
		6937939	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	03/30/20	0	19,946	0
		6938708	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	03/30/20	14,732	45,024	0
		6941481	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	03/30/21	30,378	20,000	(10,378)
		6942921	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	03/20/20	03/20/21	2,291	5,120	2,829
	Total by Primary Sponsor								196,883	879,653	345,038

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103486 Hartford Hospital	103486 Hartford Hospital	6938051	C	P121012	AGMT DTD 11/30/17	Bertsimas /Dimitris J	09/01/17	08/31/19	(3,798)	400,000	0
	Total by Primary Sponsor								(3,798)	400,000	0
103487 C2Y Therapeutics, Inc.	103487 C2Y Therapeutics, Inc.	6937323	C	P402000	AGREEMENT DATED 10/1/2017	Chen /Jianzhu	10/01/17	09/30/20	2,250	423,978	(6,726)
	Total by Primary Sponsor								2,250	423,978	(6,726)
103491 Alxerion Biotech Corp	103491 Alxerion Biotech Corp	6937013	C	P061901	AGMT EFF 8/23/17	Balcells-Camps /Mercedes	09/01/17	12/31/20	86,291	333,319	26,080
	Total by Primary Sponsor								86,291	333,319	26,080
103503 Servier	103503 Servier	6938185	C	P402000	CT0070886	Hammond /Paula T	03/01/18	08/31/20	112,898	300,000	13,371
	Total by Primary Sponsor								112,898	300,000	13,371
103510 Dar Group	103510 Dar Group	6938469	C	P030001	AGREEMENT DATED 5/1/2018	Sarkis /Antoine Hashim	05/01/18	04/30/23	0	1,621,702	1,600,000
		6942380	C	P030001	AGREEMENT DATED 5/1/2018	Williams /Sarah E	01/01/20	12/31/21	32,895	99,492	66,597
		6942381	C	P030001	AGREEMENT DATED 5/1/2018	Norford /Leslie Keith	01/01/20	12/31/21	29,903	99,042	69,139
		6942382	C	P030001	AGREEMENT DATED 5/1/2018	Segal /Rafael	01/01/20	12/31/21	14,165	99,924	85,759
		6942603	C	P030001	AGREEMENT DATED 5/1/2018	Mueller /Caitlin Tobin	01/01/20	12/31/21	7,631	79,840	72,209
	Total by Primary Sponsor								84,595	2,000,000	1,893,704
103528 Exelixis, Inc.	103528 Exelixis, Inc.	6938649	C	P402000	AGREEMENT EFFECTIVE 5/14/18	Spranger-Zimmermann /Stefani	07/01/18	05/30/21	210,439	370,317	70,444
		6938788	C	P402000	AGREEMENT EFFECTIVE 5/14/2018	Yilmaz /Omer	06/01/18	05/30/20	170,390	397,945	804
	Total by Primary Sponsor								380,829	768,262	71,247
103542 Efficient Power Conversion Corporation	103542 Efficient Power Conversion Corporation	6937201	C	P060600	EFF DATE 9/20/17	Palacios /Tomas	10/01/17	01/31/18	0	30,267	0

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	Total by Primary Sponsor								0	30,267	0
103546 CooperStandard	103546 CooperStandard	6937611	C	P062000	PO# US10050643-2	Olsen /Bradley D.	01/01/18	12/31/20	38,659	312,827	31,052
	Total by Primary Sponsor								38,659	312,827	31,052
103569 Dialyze Direct	103569 Dialyze Direct	6940276	C	P065004	TBD	Karnik /Rohit	04/01/19	11/30/20	164,760	262,507	40,944
	Total by Primary Sponsor								164,760	262,507	40,944
103583 International Seabed Authority	103583 International Seabed Authority	6937831	C	P069850	AGREEMENT DTD 10/1/17	Kirchain /Randolph E	10/01/17	04/30/19	0	217,920	(27,420)
	Total by Primary Sponsor								0	217,920	(27,420)
103613 Overdeck Family Foundation	103613 Overdeck Family Foundation	6937828	C	P091020	LETTER DATED NOVEMBER 7, 2017	Finkelstein /Amy	10/01/17	12/31/21	39,279	151,250	23,208
		6937971	C	P091020	LETTER DATED NOVEMBER 7, 2017	Finkelstein /Amy	10/01/17	12/31/21	82,440	398,750	316,310
		6942151	C	P091020	AGMT DTD. 10/17/19	Finkelstein /Amy	10/01/19	09/30/20	11,217	250,000	238,783
	Total by Primary Sponsor								132,937	800,000	578,301
103619 Wellspring Philanthropic Fund	103619 Wellspring Philanthropic Fund	6941122	C	P095500	GRANT NO. 13496	Tsai /Lily L	05/01/19	06/30/20	313,521	326,820	13,298
		6941259	C	P091020	GRANT NO. 13628	Olken /Benjamin	05/01/19	08/01/24	958	1	(957)
		6941872	C	P091020	GRANT NO. 13628	Olken /Benjamin	05/01/19	08/01/24	0	364,466	364,466
		6941873	C	P091020	GRANT NO. 13628	Olken /Benjamin	05/01/19	08/01/24	64,405	185,533	121,128
	Total by Primary Sponsor								378,884	876,820	497,936
103623 Pola Chemical Industries, Inc	103623 Pola Chemical Industries, Inc	6942210	C	P039010	AGREEMENT DATED NOV 14, 2019	Picard /Rosalind W.	09/01/19	08/28/21	0	220,000	220,000
	Total by Primary Sponsor								0	220,000	220,000

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103644 MIT-IBM Watson AI Lab	103644 MIT-IBM Watson AI Lab	6940059	C	P400600	AGREEMENT NO. W1771646	DiCarlo /James	09/01/18	08/31/19	30,306	150,001	0
	Total by Primary Sponsor								30,306	150,001	0
103649 Trovagent	103649 Trovagent	6938414	C	P402000	AGREEMENT DATES APRIL 6, 2018	Yaffe /Michael B	04/06/18	03/31/21	269,938	683,700	22,004
	Total by Primary Sponsor								269,938	683,700	22,004
103665 Dentsply Sirona	103665 Dentsply Sirona	6939221	C	P065004	SRA DTD. 05/31/2018	Hart /Anastasios John	06/01/18	05/31/19	0	150,000	150,000
	Total by Primary Sponsor								0	150,000	150,000
103671 Templeton World Charity Foundation, Inc.	103671 Templeton World Charity Foundation, Inc.	6939769	C	P154500	TWCF0319	Tenenbaum /Joshua B	07/25/18	07/24/21	42,615	228,251	97,946
		6940075	C	P121012	TWCF0350	Rand /David Gertler	09/21/18	06/30/19	(18,972)	128,492	(0)
	Total by Primary Sponsor								23,643	356,743	97,946
103688 SES	103688 SES	6938259	C	P061093	SRA DTD. 03/15/2018	Crawley /Edward F	03/15/18	02/14/21	269,344	958,312	453,814
		6938398	C	P061097	SRA DTD. 03/15/2018	Cahoy /Kerri	03/15/18	02/14/21	130,929	337,965	66,072
		6938415	C	P068700	SRA DTD. 03/15/2018	Veeramachaneni /Kalyan	03/15/18	02/14/21	348,676	557,437	8,641
	Total by Primary Sponsor								748,949	1,853,714	528,528
103709 Welspun India Ltd	103709 Welspun India Ltd	6930712	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	08/01/14	03/31/19	0	923,959	0
		6937981	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	12/01/17	03/31/19	0	166,027	0
	Total by Primary Sponsor								0	1,089,986	0
103710 IFM co., Ltd	103710 IFM co., Ltd	6938666	C	P267200	IFM-MIT SHAO-HORN SRA	Shao-Horn /Yang	12/01/17	11/30/22	66,068	117,739	513
	Total by Primary Sponsor								66,068	117,739	513

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103723 YANMAR R&D EUROPE S.r.l	103723 YANMAR R&D EUROPE S.r.l	6938740	C	P065004	SRA DTD. 05/17/2018	Heywood /John B	04/01/18	09/30/19	(498)	80,000	(73,224)
		6940009	C	P065004	SRA DTD. 05/17/2018	Heywood /John B	11/01/18	09/30/19	(3,776)	60,000	13,313
	Total by Primary Sponsor								(4,274)	140,000	(59,911)
103736 American Tower Corporation	103736 American Tower Corporation	6938030	C	P320000	AGMT DTD 12/1/17	Armstrong /Robert C	12/01/17	11/30/21	0	0	0
		6938457	C	P320000	AGMT DTD 12/1/17	Bulovic /Vladimir	12/01/17	04/30/18	33,060	83,370	(0)
		6939229	C	P320000	AGMT DTD 12/1/17	Bulovic /Vladimir	06/01/18	05/31/22	258,399	276,630	(53,886)
		6939957	C	P320000	AGMT DTD 12/1/17	Stoner /Robert	09/01/18	12/31/22	0	50,000	50,000
		6942469	C	P320000	AGMT DTD 12/1/17	Trancik /Jessica	01/01/20	12/31/20	23,491	15,000	(8,491)
	Total by Primary Sponsor								314,950	425,000	(12,377)
103737 JDA	103737 JDA	6938189	C	P063007	PO# 009228	Simchi-Levi /David	01/01/18	12/31/20	455,485	700,000	26,576
	Total by Primary Sponsor								455,485	700,000	26,576
103742 Tesa Tape	103742 Tesa Tape	6939829	C	P066000	SRA DTD. TBD	Macfarlane /Robert J	01/01/19	12/31/20	114,254	198,122	74,750
	Total by Primary Sponsor								114,254	198,122	74,750
103768 PATH	103768 PATH	6939933	C	P061901	AGREEMENT DATED 11/6/2018	Bhatia /Sangeeta N	11/06/18	03/31/20	153,211	230,444	(892)
	Total by Primary Sponsor								153,211	230,444	(892)
103822 Banxin	103822 Banxin	6936028	C	P065005	MIT-BANZAN AGREEMENT	Youcef-Toumi /Kamal	06/01/17	05/31/19	9,109	485,539	(109,503)
		6939400	C	P065005	MIT-BANZAN AGREEMENT	Youcef-Toumi /Kamal	06/01/17	05/31/19	(279)	120,000	100,082
	Total by Primary Sponsor								8,830	605,539	(9,421)

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103845 Ralph C. Wilson Jr. Foundation	103845 Ralph C. Wilson Jr. Foundation	6940081	C	P097000	RG-1810-06335	Mindell /David A	11/13/18	12/31/20	539,407	634,853	75,888
	Total by Primary Sponsor								539,407	634,853	75,888
103846 Advanced Potash Technologies	103846 Advanced Potash Technologies	6938226	C	P069850	AGMT DTD 3/1/18	Allanore /Antoine	01/01/18	03/31/19	0	73,150	0
	Total by Primary Sponsor								0	73,150	0
103862 City of Somerville	007485 Tufts University	6939219	C	P035000	MA7438	Zhao /Jinhua	07/01/18	08/31/19	452	17,157	0
	Total by Primary Sponsor								452	17,157	0
103909 LEO Pharma A/S	103909 LEO Pharma A/	6938056	C	P067952	PO# AQMUS-ADXX	Katabi /Dina	02/01/18	10/30/18	0	259,029	115,012
		6940516	C	P152000	PO# 2000173590	Pentelute /Bradley L.	04/01/19	03/28/21	165,595	320,000	91,101
		6940606	C	P067952	AQMUS-AERH	Katabi /Dina	03/01/19	12/31/20	408,024	354,872	(53,152)
	Total by Primary Sponsor								573,618	933,901	152,961
103942 MBTA Advisory Board	103942 MBTA Advisory Board	6938463	C	P035000	LTR DTD 12/13/17	Zhao /Jinhua	01/01/18	03/31/20	9,582	68,984	18,985
	Total by Primary Sponsor								9,582	68,984	18,985
103967 Inditex	103967 Inditex	6939437	C	P121012	AGMT. DTD. 01/25/2018	Perakis /Georgia	09/01/18	11/15/19	37,849	101,600	(0)
	Total by Primary Sponsor								37,849	101,600	(0)
103982 Computime Limited	103982 Computime Limited	6938507	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	04/01/18	03/31/21	451,218	160,000	(291,218)
		6943103	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	02/01/19	09/30/20	34,236	240,000	205,764
	Total by Primary Sponsor								485,454	400,000	(85,454)
104022 Occidental Oil and Gas Co.	104022 Occidental Oil and Gas Co.	6939899	C	P153000		Brown /Stephen	11/01/18	12/31/19	0	19,623	0

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	Total by Primary Sponsor								0	19,623	0
104028 Janssen Biotech, Inc.	104028 Janssen Biotech, Inc.	6937837	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/20	0	0	0
		6937838	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/20	1,337,173	3,226,541	(164,442)
		6937839	C	P402010	AGREEMENT DATED 12/19/2017	Bhatia /Sangeeta N	12/19/17	12/18/20	2,327,765	3,348,917	(276,461)
		6937840	C	P402010	AGREEMENT DATED 12/19/2017	Irvine /Darrell J	12/19/17	12/18/20	1,200,329	3,318,102	9,537
		6938223	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/20	370,957	870,709	220,760
		6939013	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/20	264,356	485,731	71,814
	Total by Primary Sponsor								5,500,580	11,250,000	(138,793)
104055 Korn Ferry	104055 Korn Ferry	6938344	C	P401823	SRA DTD 03/22/18	Murray /Fiona E	03/01/18	08/31/18	0	65,214	(0)
	Total by Primary Sponsor								0	65,214	(0)
104086 Broward County	104086 Broward County	6939477	C	P031000	AWARDED DATE 4/19/18	Mazereeuw /Miho	04/19/18	04/30/20	100,241	112,500	3,535
	Total by Primary Sponsor								100,241	112,500	3,535
104088 Iridescent	104088 Iridescent	6938263	C	P067952	AGMT. DTD. 01/10/18	Abelson /Harold	01/10/18	08/31/18	(21)	50,000	(0)
	Total by Primary Sponsor								(21)	50,000	(0)
104125 Shepherd Therapeutics	104125 Shepherd Therapeutics	6938921	C	P402000	AGREEMENT DATED 7/1/2018	Hammond /Paula T	08/01/18	07/30/20	97,908	256,268	9,854
	Total by Primary Sponsor								97,908	256,268	9,854
104127 World Auto Steel	104127 World Auto Steel	6938657	C	P417500	AGREEMENT DTD 2/1/18	Kirchain /Randolph E	02/01/18	01/01/20	12,042	127,000	(7,320)
	Total by Primary Sponsor								12,042	127,000	(7,320)
104151 Zalando SE	104151 Zalando SE	6938910	C	P063007	SRA DTD. 06/19/2018	Simchi-Levi /David	06/19/18	11/10/20	256,697	632,492	225,812

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	Total by Primary Sponsor								256,697	632,492	225,812
104162 Boeing Research & Technology - Brazil	104162 Boeing Research & Technology - Brazil	6938928	C	P060300	MRA# 2017-656	Reynolds /Elisabeth Beck	05/31/18	12/20/18	0	0	0
	Total by Primary Sponsor								0	0	0
104173 Veoneer Sweden AB	104173 Veoneer Swede AB	6937360	C	P069501	AGMT. DTD 10/10/2017	Coughlin /Joseph F	10/01/17	01/31/21	209,881	2,239,128	274,518
	Total by Primary Sponsor								209,881	2,239,128	274,518
104182 Sigilon Therapeutics, Inc	104182 Sigilon Therapeutics, Inc	6939687	C	P069201	AGRMNT DTD 12/18/2018	Weiss /Ron	12/14/18	03/31/20	323,007	456,492	(1,734)
	Total by Primary Sponsor								323,007	456,492	(1,734)
104225 International Documentary Film Festival Amsterdam	104225 International Documentary Film Festival Amsterdam	6939892	C	P093800	SRA DTD 01/01/2018	Uricchio /William C	01/01/18	08/31/21	46,402	152,900	100,036
	Total by Primary Sponsor								46,402	152,900	100,036
104228 Commonwealth Fusion Systems	104228 Commonwealth Fusion Systems	6938882	C	P320000	MEMBER AGREEMENT DTD 3/7/18	Armstrong /Robert C	03/01/18	05/31/21	0	0	0
		6939195	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	(1,565)	0	0
		6939196	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	(2,914)	2,812,752	(0)
		6939197	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	37,373	542,117	(0)
		6939198	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	10/31/19	2,072	136,562	0
		6939199	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	10/31/19	111,935	1,263,119	0
		6939200	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	0	0	0
		6939201	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	2,420	2,598,481	(0)
		6939202	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	(3,959)	166,622	0

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		6939203	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	0	0	0
		6939204	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	370	251,788	0
		6939205	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	451	451	0
		6939206	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	(11,974)	1,578,099	(0)
		6939207	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	98,473	1,298,405	0
		6939208	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	182,553	0
		6939209	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	37	99,574	0
		6939215	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	0	375,582	0
		6939216	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	0	144,401	0
		6939831	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	05/31/20	30,371	111,735	0
		6939925	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/18	05/31/20	1,108	37,142	0
		6939959	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/18	05/31/20	128	196,750	0
		6939968	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/18	03/07/21	(274)	0	0
		6940149	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	11/01/18	03/07/21	0	132,073	0
		6940381	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	11/01/18	03/07/21	0	0	0
		6940655	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	03/01/18	03/07/21	0	0	0
		6940673	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	03/01/19	03/07/21	0	82,639	0
		6940674	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	03/01/19	03/07/21	0	3,969	0

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		6940731	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	0	0
		6940794	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	0	0	0
		6940795	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	5,084,747	5,898,315	365,340
		6940796	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	592,157	561,661	(37,444)
		6940797	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	14,764	50,000	29,566
		6940798	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	0	0	0
		6940799	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	1,298,024	782,927	(515,097)
		6940800	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	58,732	26,928	(31,804)
		6940801	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	0	100,000	100,000
		6940803	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	77,402	77,583	(4,867)
		6940804	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	23,051	4,000	(19,051)
		6940805	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	0	0	0
		6940806	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	0	0	0
		6940807	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	1,501,444	1,076,442	(573,840)
		6940808	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	691,238	689,098	(42,364)
		6940809	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	40,492	0	(63,633)
		6940811	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	06/01/19	05/31/21	961,953	877,913	(111,408)
		6940812	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	06/01/19	05/31/21	92,653	26,929	(65,724)

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		6940980	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	116,310	72,000	(46,961)
		6940981	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	11/30/19	0	0	0
		6940982	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	29,341	10,000	(24,130)
		6940983	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	11/30/19	0	0	0
		6941043	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	13,203	44,750	31,547
		6941590	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	290,403	475,000	184,597
		6941595	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	26,707	87,000	60,293
		6941597	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	808,345	455,000	(353,345)
		6941712	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	1,743,213	1,740,142	(3,071)
		6941733	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	55,177	35,858	(19,319)
		6942088	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	181,305	155,000	(26,305)
		Total by Primary Sponsor								13,964,711	25,261,361
104242 Chan Zuckerberg Foundation	006120 Harvard University	6938333	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/18	12/31/20	0	424,979	424,979
		6938353	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/18	12/31/18	0	177,281	0
		6938387	C	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/18	12/31/18	0	108,838	(0)
		6938388	C	P154500	NO. 256568-5107896	Schulz /Laura E	01/01/18	12/31/18	0	52,398	0
		6939850	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/19	12/31/19	93,612	183,773	0
		6939851	C	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/19	12/31/19	208,907	391,270	(0)

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		6939852	C	P154500	NO. 256568-5107896	Schulz /Laura E	01/01/19	12/31/19	56,844	109,407	0
		6942448	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/20	12/31/20	94,209	94,786	577
		6942449	C	P093800	NO. 256568-5107896	Klopfer /Eric	01/01/20	12/31/20	135,862	179,396	43,534
		6942450	C	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/20	12/31/20	60,938	150,797	89,859
	Total by Primary Sponsor								650,372	1,872,925	558,949
104285 Immunom	104285 Immunome	6939288	C	P267110	AGMT. DTD. 09/01/2018	Voldman /Joel	09/01/18	12/31/20	102,009	216,162	(395)
	Total by Primary Sponsor								102,009	216,162	(395)
104305 Oculus VR, LLC	104305 Oculus VR, LLC	6939300	C	P067952	PO# 1162236	Oliva /Aude	08/07/18	08/06/20	372,839	894,744	385,456
	Total by Primary Sponsor								372,839	894,744	385,456
104330 Stand Up to Cancer/Entertainment Industry Foundation	005817 Dana Farber Cancer Institute	6940189	C	P152000	6323401	Johnson /Jeremiah A.	09/01/18	08/31/19	(8,226)	132,516	0
		6942298	C	P152000	6323401	Johnson /Jeremiah A.	09/01/19	08/31/20	79,276	132,516	53,240
	104330 Stand Up to Cancer/Entertainment Industry Foundation	6940339	C	P069201	AGMT DATED 2/14/19	Fraenkel /Ernest	11/01/18	12/31/21	69,208	547,162	473,049
		6940680	C	P067952	AGMT DATED 2/14/19	Barzilay /Regina	11/01/18	12/31/21	84,218	152,838	62,605
	Total by Primary Sponsor								224,476	965,032	588,894
104343 Michelson Medical Research Foundation, Inc	104343 Michelson Medical Research Foundation, Inc	6943440	C	P402000	AWARD LETTER 6/17/20	Birnbaum /Michael E	07/01/20	06/30/21	0	150,000	150,000
	Total by Primary Sponsor								0	150,000	150,000
104360 IHI Corporation	104360 IHI Corporation	6938799	C	P320000	AGREEMENT DTD 5/1/18	Armstrong /Robert C	05/01/18	04/30/21	0	0	(0)
		6939092	C	P320103	AGREEMENT DTD 5/1/18	Halton /Trevor Alan	05/01/18	04/30/20	332,468	760,083	(54,972)

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		6939230	C	P320103	AGREEMENT DTD 5/1/18	Barton /Paul I	06/01/18	05/31/19	0	196,897	(0)
		6939287	C	P320103	AGREEMENT DTD 5/1/18	Halton /Trevor Alan	08/01/18	02/28/19	0	51,742	0
	Total by Primary Sponsor								332,468	1,008,722	(54,972)
104361 Magnolia Quality Development Corporation	104361 Magnolia Quality Development Corporation	6939906	C	P320000	AGREEMENT DTD . 5/23/18	Strano /Michael S.	09/01/18	08/31/20	585,098	513,142	(189,955)
		6941731	C	P320000	AGREEMENT DTD . 5/23/18	Kennedy /Sheila	09/01/18	08/31/20	0	50,000	50,000
	Total by Primary Sponsor								585,098	563,142	(139,955)
104383 Translate Bio	104383 Translate Bio	6934245	C	P402010	6496	Anderson /Daniel Griffith	11/01/16	01/01/20	453,844	3,638,570	365,556
		6941625	C	P402000	AGREEMENT EFFECTIVE 9/3/19	Anderson /Daniel Griffith	01/01/20	12/31/22	585,645	4,089,082	3,503,437
	Total by Primary Sponsor								1,039,489	7,727,651	3,868,993
104443 NCSOFT	009904 MIT - Internal	6942315	C	P417500	AGMT DTD 12/18/19	Mueller /Stefanie	09/01/19	08/31/21	70,111	140,000	69,889
		6942316	C	P417500	AGMT DTD 12/18/19	Daniel /Luca	11/01/19	10/31/20	68,674	140,000	71,326
		6942317	C	P417500	AGMT DTD 12/18/19	Matusik /Wojciech	09/01/19	08/31/21	182,620	140,000	(42,620)
		6942318	C	P417500	AGMT DTD 12/18/19	Hu /Juejun	09/01/19	08/31/21	88,905	140,000	51,095
		6942319	C	P417500	AGMT DTD 12/18/19	Harrell /Douglas Alan	12/15/19	12/14/21	0	140,000	140,000
	Total by Primary Sponsor								410,311	700,000	289,689
104446 THE PAUL G. ALLEN FRONTIERS GROUP	005817 Dana Farber Cancer Institute	6940362	C	P402000	SUBAWARD REF# 633080	Manalis /Scott R	12/01/18	11/30/20	120,465	300,000	132,494
		6940576	C	P402000	SUBAWARD REF# 633080	Hemann /Michael	12/01/18	11/30/20	42,833	100,000	57,167
	Total by Primary Sponsor								163,298	400,000	189,661

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104447 Mercury New Zealand	104447 Mercury New Zealand	6939549	C	P065004	SRA DTD. TBD	Hunter /Ian	09/01/18	12/31/20	101,176	230,000	100,846
		6940960	C	P065004	SRA DTD. TBD	Hunter /Ian	09/01/18	12/31/20	10,222	20,000	9,778
	Total by Primary Sponsor								111,398	250,000	110,624
104453 Fujifilm Holdings Corporation	104453 Fujifilm Holdings Corporation	6939844	C	P402000	AGREEMENT DATED OCTOBER 1, 2018	Anderson /Daniel Griffith	10/01/18	09/30/22	747,795	2,680,028	1,767,016
	Total by Primary Sponsor								747,795	2,680,028	1,767,016
104471 The Mark Foundation for Cancer Research	104471 The Mark Foundation for Cancer Research	6940511	C	P061901	AGREEMENT DATED 3/15/19	Sontag /David Alexander	03/15/19	03/14/24	140,367	1,000,000	859,633
	Total by Primary Sponsor								140,367	1,000,000	859,633
104524 Bezos Family Foundation	104524 Bezos Family Foundation	6939286	C	P039000		Roy /Deb K	09/01/18	08/31/20	129,848	496,424	237,015
	Total by Primary Sponsor								129,848	496,424	237,015
104525 Swisscom AG	104525 Swisscom AG	6939063	C	P121012	PO 4501206116	Eppinger /Steven D	08/01/18	12/31/21	106,553	435,366	190,187
	Total by Primary Sponsor								106,553	435,366	190,187
104551 Equinor ASA	104551 Equinor ASA	6941177	C	P320000	MEMBER AGR NO.4502981450	Grossman /Jeffrey C.	04/01/19	03/31/22	420,244	541,810	121,566
		6941399	C	P320000	MEMBER AGR NO.4502981450	Sakti /Apurba	09/01/19	02/28/21	99,249	203,317	104,068
		6941808	C	P320000	MEMBER AGR NO.4502981450	Hart /Anastasios John	07/01/19	06/30/22	155,112	275,930	120,818
		6942708	C	P320000	MEMBER AGR NO.4502981450	Rupp /Jennifer Lilia Marguerit	02/01/20	07/31/22	113,346	334,085	220,739
	Total by Primary Sponsor								787,950	1,355,143	567,192
104552 Novelis	104552 Novelis	6939547	C	P417500	PO# 4500151630	Allanore /Antoine	09/01/18	09/30/20	69,364	178,510	6,265
		6941552	C	P066000	RESEARCH AGREEMENT EFFECTIVE 11-8-19	Olivetti /Elsa A	09/01/19	12/31/20	27,073	51,100	24,027

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	Total by Primary Sponsor								96,437	229,610	30,291
104564 University of Guadalajara Central	104564 University of Guadalajara Central	6942307	C	P039000	AGREEMENT EFFECTIVE 11/1/19	Larson /Kent	11/01/19	10/31/20	223,181	400,000	176,819
	Total by Primary Sponsor								223,181	400,000	176,819
104566 Changwon National University	104566 Changwon National University	6939242	C	P065004	SRA DTD. 08/23/2018	Fang /Xuanlai	07/01/18	12/31/21	75,771	131,626	11,662
		6942207	C	P065004	SRA DTD. 12/18/19	Fang /Xuanlai	12/01/19	05/31/20	29,156	127,120	97,964
	Total by Primary Sponsor								104,927	258,746	109,625
104569 Zapata Computing Inc	104569 Zapata Computing Inc	6939167	C	P066000	SRA DTD. 08/15/2018	Gomez-Bombarelli /Rafael	08/01/18	08/31/20	10,539	155,000	55,203
	Total by Primary Sponsor								10,539	155,000	55,203
104587 Administrative Committee of Zhengdong New District of Zhengzhou	104587 Administrative Committee of Zhengdong New District of Zhengzhou	6939357	C	P035000	TBD	Zheng /Siqi	11/01/18	10/31/21	47,499	1,500,000	1,443,433
		6942503	C	P035000	TBD	Zheng /Siqi	07/01/19	06/30/20	127,656	0	(127,656)
		6942504	C	P035000	TBD	Zheng /Siqi	07/01/19	06/30/20	14,229	0	(14,229)
		6942505	C	P035000	TBD	Zheng /Siqi	07/01/19	06/30/20	39,185	0	(39,185)
	Total by Primary Sponsor								228,569	1,500,000	1,262,363
104592 VTSIX	104592 VTSIX	6939271	C	P153000	AGMT. DTD. 08/01/2018	Ravela /Sai Czander	08/01/18	07/31/20	31,350	151,330	111,300
	Total by Primary Sponsor								31,350	151,330	111,300
104606 Toyota Mobility Foundation	104606 Toyota Mobility Foundation	6939354	C	P030001	AGREEMENT DATED 8/28/18	Berger /Alan M	08/31/18	12/31/19	144,247	156,214	(155,559)
		6942878	C	P030001	AGREEMENT DATED 3/1/2020	Berger /Alan M	03/01/20	02/28/21	35,097	265,008	229,911
	Total by Primary Sponsor								179,345	421,222	74,352

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104623 Southern University of Science and Technology	104623 Southern University of Science and Technology	6939546	C	P065009	CRA DTD. TBD	Chen /Gang	09/01/18	08/31/21	(45)	706,381	706,426
		6939833	C	P065005	CRA DTD. TBD	Yue /Dick K. P.	09/01/18	08/31/21	134,893	300,000	55,661
		6939834	C	P065004	CRA DTD. TBD	Hogan /Neville	09/01/18	08/31/21	121,471	300,000	114,074
		6939835	C	P065009	CRA DTD. TBD	Asada /Haruhiko	09/01/18	08/31/21	187,445	300,000	31,545
		6939836	C	P065004	CRA DTD. TBD	Kim /Jeewan	09/01/18	08/31/21	110,517	300,000	156,964
		6939837	C	P065004	CRA DTD. TBD	Fang /Xuanlai	09/01/18	08/31/21	58,935	300,000	94,190
		6939838	C	P065009	CRA DTD. TBD	Chen /Gang	09/01/18	08/31/21	189,234	300,000	81,822
		6939839	C	P065005	CRA DTD. TBD	Zhao /Xuanhe	09/01/18	08/31/21	168,572	300,000	35,480
		6939841	C	P065005	CRA DTD. TBD	Lienhard /John H	09/01/18	08/31/21	198,007	300,000	26,870
		6939842	C	P065004	CRA AGREEMENT	Kim /Sangbae	09/01/18	08/31/21	42,316	300,000	181,163
		6941796	C	P065009	CRA DTD. TBD	Chen /Gang	09/01/18	08/31/21	105,877	150,000	44,123
		6941806	C	P065009	CRA DTD. TBD	Barbastathis /George	09/01/18	08/31/21	18,140	150,000	131,860
		6942163	C	P065004	CRA DTD. TBD	Ghoniem /Ahmed F	09/01/19	08/31/21	71,782	150,000	78,218
		Total by Primary Sponsor							1,407,144	3,856,381	1,738,396
104643 A Breath of Hope Lung Foundation	104643 A Breath of Hope Lung Foundation	6939790	C	P402000	2018 ABOH RESEACH FELLOWSHIP	Spranger-Zimmermann /Stefani	12/01/18	05/30/21	52,736	150,000	43,507
		Total by Primary Sponsor							52,736	150,000	43,507
104665 MicroLink Devices	104665 MicroLink Devices	6939489	C	P065004	SRA DTD. 10/10/2018	Kim /Jeewan	08/07/18	08/24/21	103,790	44,890	(73,549)
		Total by Primary Sponsor							103,790	44,890	(73,549)

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104668 Anonymous Foundation C	104668 Anonymous Foundation C	6939066	C	P031000	AGREEMENT DATED JULY 1, 2018	Yoon /J. Meejin	07/01/18	04/30/19	0	175,147	79,390
	Total by Primary Sponsor								0	175,147	79,390
104670 The SCAN Foundation	104670 The SCAN Foundation	6939252	C	P069501	G18-35	Coughlin /Joseph F	08/16/18	10/31/19	19,707	19,707	(0)
	Total by Primary Sponsor								19,707	19,707	(0)
104728 Daimler Purchasing Coordination Corp	104728 Daimler Purchasing Coordination Corp.	6939062	C	P065005	PO# 1013829362	Tian /Tian	07/15/18	07/14/20	224,162	480,439	68,537
	Total by Primary Sponsor								224,162	480,439	68,537
104735 Schmidt Family Foundation	005408 California Institute of Technology	6940312	C	P153000	S405609	Ferrari /Raffaele	08/01/18	09/30/20	661,672	1,497,590	476,887
	104735 Schmidt Family Foundation	6941757	C	P039000	G-1902-58205	Bell /Katherine Lynn Croff	07/22/19	07/21/20	75,488	170,000	94,512
	Total by Primary Sponsor								737,159	1,667,590	571,399
104787 Allegheny Technologies Incorporated	104787 Allegheny Technologies Incorporated	6940285	C	P417500	AGREEMENT DTD 1/15/19	Tasan /Cemal	01/15/19	01/14/21	133,322	260,070	84,568
	Total by Primary Sponsor								133,322	260,070	84,568
104829 U.S. Election Assistance Commission	104811 FORS MARSH GROUP LLC	6939292	C	P095500	MIT1801	Stewart /Charles H	08/09/18	09/30/19	3,842	13,218	0
	Total by Primary Sponsor								3,842	13,218	0
104830 Stress Engineering Services, Inc.	104830 Stress Engineering Services, Inc.	6941875	C	P266300	AGMT. DTD. 09/05/2019	Vandiver /John Kim	08/28/19	08/27/20	67,752	95,000	27,248
	Total by Primary Sponsor								67,752	95,000	27,248
104916 PT Indonesia Asahan Aluminium	104916 PT Indonesia Asahan Aluminium	6942564	C	P320102	RA EFFECTIVE 10/10/2018	Li /Ju	02/01/20	01/31/21	85,114	250,000	164,886
	Total by Primary Sponsor								85,114	250,000	164,886
104929 Xibus Systems, Inc.	104929 Xibus Systems, Inc.	6940236	C	P062000	SRA DTD 2-1-2019	Sikes Johnson /Hadley	02/01/19	01/31/20	72,308	146,317	478

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	Total by Primary Sponsor								72,308	146,317	478
104973 Nissan Chemical America Corporation	104973 Nissan Chemical America Corporation	6939567	C	P267500	AGMT DTD 11/1/18	Kim /Jeehwan	11/01/18	12/31/19	14,876	100,000	46
	Total by Primary Sponsor								14,876	100,000	46
104990 Peniel Sciences Inc	104990 Peniel Sciences Inc	6939861	C	P152000	AGMT. DTD. 11/7/18	Pentelute /Bradley L.	11/01/18	10/31/19	48,717	200,000	0
	Total by Primary Sponsor								48,717	200,000	0
104991 NGK Spark Plug Co., Lt	104991 NGK Spark Plug Co., Ltd	6939553	C	P417500	AGMT DTD 8/1/18	Rupp /Jennifer Lilia Marguerit	10/01/18	03/31/21	305,095	795,224	184,134
	Total by Primary Sponsor								305,095	795,224	184,134
105028 MTech (Shanghai) Information Technology Co., Ltd.	105028 MTech (Shanghai) Information Technology Co., Ltd.	6942543	C	P093800	AGMT. DTD. 1/31/20	Osterweil /Scot	01/01/20	12/31/20	2,110	133,636	131,526
	Total by Primary Sponsor								2,110	133,636	131,526
105029 JPMorgan Chase & Co.	105029 JPMorgan Chase & Co.	6940658	C	P121175	52538997	Brynjolfsson /Erik	03/15/19	03/14/21	480,166	400,000	(109,663)
	Total by Primary Sponsor								480,166	400,000	(109,663)
105071 Kairos Power	105071 Kairos Power	6940004	C	P264000	RESEARCH AGREEMENT NO. 200060	Hu /Lin-Wen	10/01/18	09/30/20	144,616	330,981	129,760
		6941856	C	P264000	RESEARCH AGMT. NO. 100072	Hu /Lin-Wen	07/01/19	06/30/20	51,490	200,000	148,510
		6942707	C	P264000	RESEARCH AGMT. NO. 100072	Hu /Lin-Wen	02/07/20	06/01/20	5,134	50,000	44,866
	Total by Primary Sponsor								201,239	580,981	323,137
105074 Alliance for Lifetime Income	105074 Alliance for Lifetime Income	6940422	C	P069501	AGREEMENT DTD 1/1/19	Coughlin /Joseph F	01/01/19	09/15/20	379,571	450,000	(602)
	Total by Primary Sponsor								379,571	450,000	(602)
105107 Fonterra	105107 Fonterra	6940173	C	P065004	SRA DTD. 12/21/2018	Hunter /Ian	01/01/19	12/31/20	175,197	500,000	256,662

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		6941126	C	P065004	AGMT DTD 07/12/2019	Hunter /Ian	06/01/19	08/31/20	472,507	660,000	187,493
		6942324	C	P065004	SRA DTD 10/7/2019	Hunter /Ian	01/01/20	12/31/20	7,517	660,000	652,483
	Total by Primary Sponsor								655,222	1,820,000	1,096,638
105126 Stiftung Grundeinkommen	105126 Stiftung Grundeinkommen	6940587	C	P091000	SRA DTD. 04/05/2019	Jaeger /Simon C.	04/01/19	09/30/21	115,731	147,211	21,252
	Total by Primary Sponsor								115,731	147,211	21,252
105146 Lucideus Inc.	105146 Lucideus Inc.	6940108	C	P121110	AGMT. DTD 1/11/2019	Siegel /Michael D	01/01/19	09/30/19	8,927	100,000	0
	Total by Primary Sponsor								8,927	100,000	0
105147 The John A. Hartford Foundation	105147 The John A. Hartford Foundation	6940063	C	P069501	2018-0138	Coughlin /Joseph F	12/01/18	05/30/20	107,500	150,000	25,860
	Total by Primary Sponsor								107,500	150,000	25,860
105186 Civil Aviation Flight University of China	105186 Civil Aviation Flight University of China	6940049	C	P061093	SRA DTD 11/22/18	Leveson /Nancy G	12/01/18	04/30/19	(1)	42,000	0
		6941241	C	P061093		Leveson /Nancy G	07/01/19	12/31/20	37,282	108,000	70,718
	Total by Primary Sponsor								37,282	150,000	70,718
105191 Airbus Americas, Inc.	105191 Airbus Americas, Inc.	6942184	C	P067952	PO #C000568463	Williams /Brian C	12/02/19	12/01/22	92,320	484,408	392,088
		6942226	C	P031000	PO# C000566581	Tibbits /Skylar	12/15/19	06/14/21	69,487	185,405	115,918
	Total by Primary Sponsor								161,808	669,813	508,005
105278 My Energy GIE	105278 My Energy GIE	6940213	C	P069400	AGMT. DTD. 01/14/2019	Trancik /Jessica	01/01/19	05/31/20	21,262	31,000	(38)
	Total by Primary Sponsor								21,262	31,000	(38)
105280 Shanghai HiCore Technology Co., Ltd	105280 Shanghai HiCore Technology Co., Ltd	6941396	C	P121012	AGMT DTD. 08/16/2019	Mazumder /Rahul	08/01/19	07/31/21	92,602	198,372	105,770

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	Total by Primary Sponsor								92,602	198,372	105,770
105284 Bipartisan Policy Center, Inc.	105284 Bipartisan Polic Center, Inc.	6940172	C	P095500	18-DEM-106	Stewart /Charles H	11/28/18	11/30/19	2,538	8,765	0
	Total by Primary Sponsor								2,538	8,765	0
105355 Union of Greek Shipowners	105355 Union of Greek Shipowners	6940493	C	P065004		Heywood /John B	03/01/19	12/31/19	65,510	141,444	30,429
		6940494	C	P065004		Adams /Edward E	03/01/19	12/31/19	50,468	53,510	(23,778)
	Total by Primary Sponsor								115,978	194,954	6,651
105358 HSBC USA	105358 HSBC USA	6941390	C	P159400	SRA DATED 8-13-2019	Reilly /John M	07/01/19	12/31/19	70,599	70,594	(5)
	Total by Primary Sponsor								70,599	70,594	(5)
105365 Cryotech LLC	105365 Cryotech LLC	6940229	C	P069201	AGREEMENT DTD 1/1/19	Griffith /Linda G	01/01/19	08/31/20	93,958	154,987	19,780
	Total by Primary Sponsor								93,958	154,987	19,780
105386 Sumitomo Chemical Co., Ltd	105386 Sumitomo Chemical Co., Ltd	6940839	C	P066000	AGMT DATED 4/01/19	Gomez-Bombarelli /Rafael	07/01/19	12/31/20	300,364	372,397	72,033
		6942510	C	P066000	RESEARCH AGREEMENT EFFECTIVE 2-1-2020	Olivetti /Elsa A	02/01/20	12/31/20	4,024	43,000	38,976
	Total by Primary Sponsor								304,388	415,397	111,009
105432 Artemis Biosystems, Inc.	105432 Artemis Biosystems, Inc.	6943315	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	3,272	75,000	71,728
	Total by Primary Sponsor								3,272	75,000	71,728
105446 Ohana Biosciences	105446 Ohana Biosciences	6940353	C	P267110	SRA DTD 3/4/19	Han /Jongyoon	03/01/19	02/28/21	178,329	200,000	(14,516)
	Total by Primary Sponsor								178,329	200,000	(14,516)
105493 City of Stockholm	105327 Kungliga Tekniska Hogskolan	6943109	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	03/29/19	03/28/24	2,208	0	(2,208)

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		6943110	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	03/29/19	03/28/24	0	15,076	15,076
		6943111	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	03/29/19	03/28/24	18,645	20,101	1,455
		6943252	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	10/01/19	10/01/20	103,332	201,007	97,675
	Total by Primary Sponsor								124,185	236,183	111,998
105508 Avalon GloboCare Corp.	105508 Avalon GloboCare Corp.	6940423	C	P402000	AGREEMENT EFFECTIVE 3/7/19	Langer /Robert S	04/01/19	03/31/22	331,490	1,419,964	1,014,059
		6940856	C	P400600	AGREEMENT EFFECTIVE 3/7/19	Boyden /Edward	04/01/19	03/31/22	24,771	80,036	57,132
	Total by Primary Sponsor								356,261	1,500,000	1,071,191
105547 Sony Corporation of America	105547 Sony Corporation of America	6938902	C	P060600	PO 4200367896	Han /Song	09/01/18	08/31/19	53,037	100,000	0
		6938932	C	P067952	PO 4200367897	Sanchez Martin /Daniel	07/01/18	06/30/19	(241)	100,000	(0)
		6940617	C	P067952	PO# 4200417878	Matusik /Wojciech	06/01/19	05/31/20	143,446	150,000	98
		6941312	C	P067952	PO 4200443674	Agrawal /Pulkit	08/16/19	12/31/20	146,243	109,066	(37,177)
		6941313	C	P060600	PO 4200433705	Han /Song	09/01/19	12/31/20	9,290	100,000	90,710
		6941741	C	P067952	PO 4200443674	Agrawal /Pulkit	08/16/19	12/31/20	19,374	19,984	610
	Total by Primary Sponsor								371,148	579,050	54,242
105567 Bundl Technologies Pvt Ltd	105567 Bundl Technologies Pvt Ltd	6940631	C	P069500	AGREEMENT DATED 5/1/2019	Sheffi /Yosef	05/01/19	07/31/20	322,325	395,000	43,436
	Total by Primary Sponsor								322,325	395,000	43,436
105571 European Research Council	105571 European Research Council	6943078	C	P402000	NUMBER 855158 - ANEUPLOIDY	Amon /Angelika B	04/01/20	03/31/26	31,662	443,846	412,184
	Total by Primary Sponsor								31,662	443,846	412,184
105575 Sartorius Stedim North America	105575 Sartorius Stedim North America	6943296	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	3,271	75,000	71,729

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	Total by Primary Sponsor								3,271	75,000	71,729
105610 JPMorgan Chase Foundation	105610 JPMorgan Chase Foundation	6943075	C	P068000	55992197	Reynolds /Elisabeth Beck	12/15/19	12/14/21	33,743	750,000	716,257
	Total by Primary Sponsor								33,743	750,000	716,257
105612 Universiti Tenaga Nasional	105612 Universiti Tenaga Nasional	6941760	C	P065004	AGMT DTD 9/24/19	Deng /Sili	09/24/19	01/31/20	176,884	176,884	(0)
	Total by Primary Sponsor								176,884	176,884	(0)
105626 Collagen Medical LLC	105626 Collagen Medical LLC	6940376	C	P152000	AGMT.DTD.03/01/2019	Bawendi /Moungi G	03/01/19	02/29/20	26,016	75,000	0
	Total by Primary Sponsor								26,016	75,000	0
105631 Emerald Foundation, Inc.	105631 Emerald Foundation, Inc.	6941112	C	P402000	AGREEMENT DATED 7/1/19	Vander Heiden /Matthew G.	07/01/19	06/30/21	147,844	150,000	2,156
		6943407	C	P402000	AGREEMENT DATED 7/1/19	Vander Heiden /Matthew G.	07/01/20	06/30/21	0	150,000	150,000
	Total by Primary Sponsor								147,844	300,000	152,156
105649 The Center for Global Enterprise (CGE)	105649 The Center for Global Enterprise (CGE)	6940720	C	P121175		Brynjolfsson /Erik	05/07/19	05/06/20	144,376	300,000	155,624
	Total by Primary Sponsor								144,376	300,000	155,624
105686 MedNeon	105686 MedNeon	6940369	C	P067952	AGMT.DTD.03/01/2019	Barzilay /Regina	03/01/19	07/15/19	0	36,092	36,092
	Total by Primary Sponsor								0	36,092	36,092
105687 Max Planck Florida Institute for Neuroscience (MPFI)	105687 Max Planck Florida Institute for Neuroscience (MPFI)	6941990	C	P154500	105687	Halassa /Michael	01/01/19	12/31/24	15,939	350,000	334,061
	Total by Primary Sponsor								15,939	350,000	334,061
105689 Element AI	105689 Element AI	6940782	C	P067952	AGREEMENT DATED 1/1/19	Torralba /Antonio	03/01/19	06/30/20	50,352	54,667	4,315
	Total by Primary Sponsor								50,352	54,667	4,315

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105707 Sekisui House, Ltd.	105707 Sekisui House, Ltd.	6941102	C	P061901	AGREEMENT DATED JUNE 19, 2019	Edelman /Elazer R	07/01/19	06/30/24	163,971	593,000	429,029
		6942219	C	P061901	AGREEMENT DATED JUNE 19, 2019	Anthony /Brian	07/01/19	06/30/24	612,881	648,000	35,119
		6942220	C	P061901	AGREEMENT DATED JUNE 19, 2019	Edelman /Elazer R	07/01/19	06/30/24	23,627	259,000	235,373
	Total by Primary Sponsor								800,479	1,500,000	699,521
105712 Italian Ministry of Economic Development	105176 LUM Enterprise	6940212	C	P069400	AGMT. DTD. 03/01/2019	Pentland /Alex Paul	03/01/19	08/31/20	207,595	300,000	9,150
	Total by Primary Sponsor								207,595	300,000	9,150
105717 QinetiQ Ltd.	105717 QinetiQ Ltd.	6940833	C	P401823	PO #3000316577	Murray /Fiona E	01/01/19	08/31/19	19,223	25,315	(4,696)
	Total by Primary Sponsor								19,223	25,315	(4,696)
105721 Sumitomo Dainippon Pharma Co., Ltd.	105721 Sumitomo Dainippon Pharma Co., Ltd.	6941888	C	P152000	AGMT. DTD. 10/17/19	Pentelute /Bradley L.	10/17/19	10/31/20	96,626	205,737	109,111
	Total by Primary Sponsor								96,626	205,737	109,111
105749 Soremartec SA	004999 Multi-Sponsors Consortium	6941811	C	P031000	TBD	Tibbits /Skylar	01/01/20	12/31/20	70,461	150,000	79,539
	105749 Soremartec SA	6940751	C	P267111	PO 2809001506	Grossman /Jeffrey C.	09/01/18	04/30/20	336,590	374,139	(12,731)
		6941579	C	P039010	AGREEMENT DATED 3/1/2019	Harper /Caleb Benjamin	03/01/19	02/29/20	0	0	0
		6941936	C	P039010	AGREEMENT DATED 3/1/2019	Harper /Caleb Benjamin	03/01/19	02/29/20	0	0	0
	Total by Primary Sponsor								407,051	524,139	66,808
105752 International Energy Agency	105752 International Energy Agency	6943089	C	P320000	AGREEMENT EFFECTIVE 3-27-2020	Armstrong /Robert C	09/01/19	04/30/21	210,825	1,087,829	877,004
		6943188	C	P320000	AGREEMENT EFFECTIVE 3-27-2020	Paltsev /Sergey	09/01/19	04/30/21	99,273	469,171	369,898
	Total by Primary Sponsor								310,099	1,557,000	1,246,901

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105769 World Functional Materials, Inc.	105769 World Function Materials, Inc.	6938493	C	P267200	IFM-MIT SHAO-HORN SRA	Shao-Horn /Yang	12/01/17	11/30/22	44,718	112,261	(9)
	Total by Primary Sponsor								44,718	112,261	(9)
105806 ALS Finding A Cure	105806 ALS Finding A Cure	6938930	C	P069201	LETTER DTD APRIL/2018	Fraenkel /Ernest	04/01/18	09/30/19	25,433	45,110	(2,846)
	Total by Primary Sponsor								25,433	45,110	(2,846)
105826 ENN Digital Energy Technology Co. Ltd.	105826 ENN Digital Energy Technology Co. Ltd.	6941062	C	P320000	AGRMNT EFFECTIVE 11/1/16	Perez-Arriaga /Jose Ignacio	03/15/19	08/31/20	175,642	150,000	(83,244)
	Total by Primary Sponsor								175,642	150,000	(83,244)
105867 Shanghai Talent Construction Engineering Co., Ltd.	105867 Shanghai Talent Construction Engineering Co., Ltd.	6941429	C	P065004	AGREEMENT DATED 8/16/19	Chun /Jung-Hoon	08/16/19	12/31/20	157,164	250,000	92,836
	Total by Primary Sponsor								157,164	250,000	92,836
105908 Merkin Family Foundation	010085 The Broad Institute, Inc.	6940638	C	P152000	6000765-5500001211	Raines /Ronald T	09/01/18	08/31/20	55,314	294,924	(0)
		6942094	C	P152000	6000765-5500001211	Raines /Ronald T	09/01/19	08/31/20	345,936	269,133	(76,802)
	Total by Primary Sponsor								401,250	564,058	(76,802)
105929 Five Star Senior Living	105929 Five Star Senior Living	6942848	C	P069501	AGMT DATED 2/1/2020	Coughlin /Joseph F	11/01/19	12/31/20	58,360	234,203	175,843
	Total by Primary Sponsor								58,360	234,203	175,843
105966 The Southern Poverty Law Center	105966 The Southern Poverty Law Center	6941234	C	P093800		Reich /Blair Justin F	06/01/19	05/31/22	119,671	300,000	180,329
	Total by Primary Sponsor								119,671	300,000	180,329
105988 National Institute of Standards and Technology (United States D	006876 Northwestern University	6943285	C	P417500	60052977 MIT	Olson /Gregory B.	01/01/20	12/31/20	17,293	85,916	68,623
	Total by Primary Sponsor								17,293	85,916	68,623
105989 Celulosa Arauco y Constitucion S.A.	105989 Celulosa Arauco y Constitucion S.A.	6941047	C	P065004	WORK PLAN 1	Hunter /Ian	07/01/19	12/31/20	336,486	975,000	638,514

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		6941061	C	P063007	BUEHLER PROJECT	Buehler /Markus J	09/01/19	08/31/21	82,589	174,391	91,801
		Total by Primary Sponsor							419,076	1,149,391	730,315
106010 Lubrizol	106010 Lubrizol	6941776	C	P068000	LZ P1957015	Buongiorno /Jacopo	06/01/19	11/30/21	152,837	573,000	420,163
		6943205	C	P065005	PO4300113526	McKinley /Gareth H	06/01/20	08/31/20	9,672	25,000	15,328
		6943325	C	P068000	LZ P1957015	Buongiorno /Jacopo	05/27/20	02/28/21	3,074	25,000	21,926
	Total by Primary Sponsor								165,582	623,000	457,418
106066 United States Pharmacopeia (USP)	106066 United States Pharmacopeia (USP)	6942259	C	P122030	AGMT. DTD. 06/01/2019	Malone /Thomas W	06/01/19	12/31/20	174,858	246,000	71,142
	Total by Primary Sponsor								174,858	246,000	71,142
106075 Global Blood Therapeutic	106075 Global Blood Therapeutics	6942054	C	P066000	RES AGMT EFF. 11/5/2019	Dao /Ming	11/05/19	11/04/20	23,425	74,382	50,957
		6942239	C	P066000	RES AGMT EFF. 11/5/2019	Dao /Ming	11/05/19	11/04/20	0	42,820	42,820
	Total by Primary Sponsor								23,425	117,202	93,777
106076 Abdul Latif Jameel Clinic for Machine Learning in Health (J-Cli	106076 Abdul Latif Jameel Clinic for Machine Learning in Health (J-Cli	6941120	C	P060051	106076	Barzilay /Regina	05/01/19	10/31/20	0	140,000	140,000
		6941336	C	P066000	106076	Gomez-Bombarelli /Rafael	05/01/19	10/31/20	63,933	75,000	11,067
		6941337	C	P122020	106076	Welsch /Roy E	05/01/19	10/31/20	18,898	75,000	56,102
		6941338	C	P060600	106076	Lee /Hae-Seung	05/01/19	10/31/20	26,787	75,000	48,213
		6941341	C	P418102	106076	Davis /Joseph Harry	05/01/19	10/31/20	118,925	150,000	31,075
		6941342	C	P267600	106076	Eldar /Yonina C	05/01/19	10/31/20	61,099	75,000	13,901
		6941348	C	P400600	106076	Gabrieli /John D. E.	05/01/19	10/31/20	73,839	75,000	1,161

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		6941349	C	P154500	106076	Sinha /Pawan	05/01/19	10/31/20	61,998	100,000	38,002
		6941350	C	P400600	106076	Pantazis /Dimitrios	05/01/19	10/31/20	80,159	75,000	(5,159)
		6941351	C	P068700	106076	Uhler /Caroline	05/01/19	10/31/20	41,193	50,000	8,807
		6941352	C	P069201	106076	Alm /Eric J	05/01/19	10/31/20	81,847	150,000	68,153
		6941353	C	P068700	106076	Veeramachaneni /Kalyan	05/01/19	10/31/20	54,078	150,000	95,922
		6941369	C	P066000	106076	Dao /Ming	05/01/19	10/31/20	65,192	75,000	9,808
		6941455	C	P039000	106076	Picard /Rosalind W.	05/01/19	10/31/20	146,921	150,000	3,079
		6941457	C	P267500	106076	Stultz /Collin M	05/01/19	10/31/20	91,398	102,380	10,982
		6941458	C	P400600	106076	Szlovits /Peter	05/01/19	10/31/20	77,050	75,000	(2,050)
		6941678	C	P267500	106076	Stultz /Collin M	05/01/19	10/31/20	0	47,620	47,620
		6941681	C	P067952	106076	Katabi /Dina	05/01/19	10/31/20	10,972	300,000	289,028
		6941686	C	P067952	106076	Sontag /David Alexander	05/01/19	10/31/20	98,973	150,000	51,027
		6941747	C	P069201	106076	Fraenkel /Ernest	05/01/19	10/31/20	0	100,000	100,000
		6941857	C	P067952	106076	Jaakkola /Tommi S	05/01/19	10/31/20	9,480	150,000	140,520
	Total by Primary Sponsor								1,182,741	2,340,000	1,157,259
106077 Tris Pharma, Inc.	006570 Massachusetts General Hospital	6941951	C	P069501	AGMT DTD 8/23/19	Coughlin /Joseph F	07/01/19	10/31/20	142,744	258,000	115,256
Total by Primary Sponsor								142,744	258,000	115,256	
106108 DIC Corporation	106108 DIC Corporation	6942363	C	P062000	RESEARCH AGREEMENT EFFECTIVE 12-27-19	Olsen /Bradley D.	01/01/20	12/31/22	63,580	348,330	284,750

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		6942530	C	P062000	RESEARCH AGREEMENT EFFECTIVE 12-27-19	Prather /Kristala L	01/01/20	12/31/22	47,485	100,000	52,515
		6942531	C	P063000	RESEARCH AGREEMENT EFFECTIVE 12-27-19	Plata /Desiree Louise	01/01/20	12/31/22	3,292	100,000	96,708
	Total by Primary Sponsor								114,357	548,330	433,972
106133 Ohio Department of Higher Education	006953 Ohio State University	6942010	C	P039000	SUBAWARD 60071837/PO RF01585039	Breazeal /Cynthia Lynn	03/01/19	06/30/21	81,321	166,145	84,824
	Total by Primary Sponsor								81,321	166,145	84,824
106147 Skinny Labs Inc., DBA Spin	106147 Skinny Labs Inc DBA Spin	6941323	C	P417500		Kirchain /Randolph E	07/01/19	12/31/19	52,288	70,000	17,712
	Total by Primary Sponsor								52,288	70,000	17,712
106152 GREEN TECHNOLOGY CENTER	106152 GREEN TECHNOLOGY CENTER	6941949	C	P063007	TBD	Masic /Admir	10/01/19	07/31/20	36,189	81,835	45,646
	Total by Primary Sponsor								36,189	81,835	45,646
106174 Kevadiya Inc	106174 Kevadiya Inc	6942691	C	P067952	2019-0061/S1	Horn /Berthold K P	02/05/20	06/05/20	449	48,075	47,626
	Total by Primary Sponsor								449	48,075	47,626
106187 Mitsubishi Electric Automation, Inc. (MEAU)	106187 Mitsubishi Electric Automation, Inc (MEAU)	6941606	C	P061096	AGMT. DTD. 09/01/2019	Shah /Julie A	09/01/19	08/31/22	70,127	597,311	527,184
	Total by Primary Sponsor								70,127	597,311	527,184
106290 Elstar Therapeutics	106290 Elstar Therapeutics	6942354	C	P069201	PO35912	Kamm /Roger Dale	02/01/20	10/31/20	14,136	31,720	17,584
	Total by Primary Sponsor								14,136	31,720	17,584
106291 EE Partners Ltd	106291 EE Partners Ltd	6942070	C	P062000	RESEARCH AGREEMENT EFFECTIVE 10-1-2019	Colton /Clark K	10/01/19	10/01/20	85,812	111,647	25,835
	Total by Primary Sponsor								85,812	111,647	25,835
106292 ChromaTan Corporation	106292 ChromaTan Corporation	6942355	C	P069400		Braatz /Richard D	10/01/19	06/30/21	0	224,000	224,000

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	Total by Primary Sponsor								0	224,000	224,000
106294 Ministry of Foreign Affairs and International Cooperation	003222 Istituto Nazionale di Fisica Nucleare	6942281	C	P158000		Williams /Michael	12/01/19	05/31/20	13,471	20,000	6,529
	Total by Primary Sponsor								13,471	20,000	6,529
106309 Center for Global Development	106309 Center for Global Development	6942144	C	P091020	AGMT DTD 9/30/19	Banerjee /Abhijit	09/02/19	08/31/20	105,726	62,908	(42,818)
	Total by Primary Sponsor								105,726	62,908	(42,818)
106333 Marsoft Incorporated	106333 Marsoft Incorporated	6941414	C	P266300	AGREEMENT DATED 8/15/19	Chrysostomidis /Chrysostomo	07/15/19	08/31/20	153,351	250,000	96,649
	Total by Primary Sponsor								153,351	250,000	96,649
106368 Rubius Therapeutics	106368 Rubius Therapeutics	6942739	C	P152000		Pentelute /Bradley L.	03/01/20	02/20/22	2,741	191,240	188,499
	Total by Primary Sponsor								2,741	191,240	188,499
106387 Ministry of Research, Technology, and Higher Education	003441 Cambridge-MIT Institute	6943063	C	P065005	TBD	Wierzbicki /Tomasz	01/01/20	12/31/20	0	20,000	20,000
		6943306	C	P065004		Anthony /Brian	01/01/20	12/31/20	0	20,000	20,000
	009800 Massachusetts Institute of Technology	6943014	C	P069201		Alm /Eric J	01/01/20	12/31/20	0	100,000	100,000
	009904 MIT - Internal	6942793	C	P267110		Han /Jongyoon	01/01/20	12/31/20	0	20,000	20,000
		6942810	C	P153000	AWD EFFECTIVE 1/1/20	Nakata /Norimitsu	01/01/20	12/31/20	9,430	20,000	10,570
		6942815	C	P068100		Trancik /Jessika	01/01/20	12/31/20	17,334	20,000	2,666
		6942819	C	P267200		Shao-Horn /Yang	01/01/20	12/31/20	4,448	20,000	15,552
		6942864	C	P091020		Olken /Benjamin	01/01/20	12/31/20	29,071	100,000	70,929
		6942892	C	P152000		Cummins /Christopher C	01/01/20	12/31/20	5,497	100,000	94,503

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		6942893	C	P068000		Yildiz /Bilge	01/01/20	12/31/20	6,363	20,000	13,637
		6942907	C	P035000		Ratti /Carlo	01/01/20	12/31/20	0	20,000	20,000
		6942908	C	P035000		Zheng /Siqi	01/01/20	12/31/20	0	20,000	20,000
		6942909	C	P063000		Buyukozturk /Oral	01/01/20	12/31/20	19,529	20,000	471
		6942983	C	P267500		Leeb /Steven B	01/01/20	12/31/20	0	20,000	20,000
		6943016	C	P267111	TBD	Daniel /Luca	01/01/20	12/31/20	0	20,000	20,000
		6943017	C	P151031	TBD	Sinskey /Anthony J	01/01/20	12/31/20	0	20,000	20,000
		6943082	C	P153000	TBD	Jagoutz /Oliver E	01/01/20	12/31/20	0	20,000	20,000
		6943097	C	P067952	TBD	Mueller /Stefanie	01/01/20	12/31/20	18,295	20,000	1,705
		6943106	C	P267500		Kirtley /James L	01/01/20	12/31/20	0	20,000	20,000
		6943131	C	P121012		de Zegher /Joann F.c.i.	01/01/20	12/31/20	0	20,000	20,000
		6943132	C	P151040		Weng /Jing-Ke	01/01/20	12/31/20	0	20,000	20,000
		6943202	C	P062000		Sikes Johnson /Hadley	01/01/20	12/31/20	0	20,000	20,000
	106387 Ministry of Research, Technology, and Higher Education	6943015	C	P039000		Wood /Danielle Renee	01/01/20	12/31/20	0	20,000	20,000
Total by Primary Sponsor									109,967	700,000	590,033
106510 VUELING AIRLINES S.A.	106510 VUELING AIRLINES S.A.	6942290	C	P121012	AGMT. DTD. 12/01/2019	Jacquillat /Alexandre	12/01/19	09/30/20	11,789	71,576	59,787
Total by Primary Sponsor									11,789	71,576	59,787
106530 Equinor Energy AS	106530 Equinor Energy AS	6935129	C	P153000	4503452749	Fournier /Aime	09/01/16	01/31/20	178,201	1,193,984	301

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	Total by Primary Sponsor								178,201	1,193,984	301
106555 Fukushima SiC Applied Engineering Inc.	106555 Fukushima SiC Applied Engineering Inc	6942143	C	P152000	AGMT. DTD. 11/1/19	Pentelute /Bradley L.	11/01/19	10/31/21	45,051	200,000	154,949
	Total by Primary Sponsor								45,051	200,000	154,949
106558 Sterlite Technologies Limited	106558 Sterlite Technologies Limited	6942426	C	P065004	AGMT DTD 1/1/20	Anthony /Brian	01/01/20	12/31/20	102,726	225,771	123,044
	Total by Primary Sponsor								102,726	225,771	123,044
106680 CEMOI	106680 CEMOI	6943013	C	P091020	AGMT. DTD. 3/12/20/TRECC 2015-1184-338	Banerjee /Abhijit	11/01/19	10/31/20	427,143	487,923	60,780
	Total by Primary Sponsor								427,143	487,923	60,780
106684 Fujikura	106684 Fujikura	6942295	C	P065004		Fang /Xuanlai	12/15/19	08/31/20	2,689	50,000	47,311
	Total by Primary Sponsor								2,689	50,000	47,311
106696 Labsphere Inc.	106696 Labsphere, Inc.	6942806	C	P061093	AGMT DTD 3/4/20	de Weck /Olivier L	03/01/20	10/31/20	18,482	80,000	61,518
	Total by Primary Sponsor								18,482	80,000	61,518
106797 MSCI Inc.	106797 MSCI Inc.	6942278	C	P122150	106797	Lo /Andrew W	02/20/20	01/31/21	51,537	300,000	248,463
	Total by Primary Sponsor								51,537	300,000	248,463
106843 SimSpace Corporation	106843 SimSpace Corporation	6942552	C	P067952	AGMT DTD 1/2/20	O'Reilly /Una-May	02/01/20	01/31/21	90,318	150,000	59,682
	Total by Primary Sponsor								90,318	150,000	59,682
106855 Umicore	106855 Umicore	6943198	C	P065004	SRA DTD TBD	Kim /Jeewan	09/01/20	08/31/21	0	200,000	200,000
		6943299	C	P065004	SRA DTD TBD	Kim /Jeewan	09/01/20	02/28/21	0	50,000	50,000
	Total by Primary Sponsor								0	250,000	250,000

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106958 INPEX CORPORATION	106958 INPEX CORPORATION	6942928	C	P153000	11720	Nakata /Norimitsu	04/01/20	03/31/21	3,951	89,973	86,022
Total by Primary Sponsor									3,951	89,973	86,022
106963 The Salah Foundation	106963 The Salah Foundation	6942595	C	P039070	AGREEMENT DATED 12/14/2019	Herr /Hugh M	01/01/20	09/30/20	147,937	523,132	375,196
Total by Primary Sponsor									147,937	523,132	375,196
107019 X-Energy	107019 X-Energy	6943378	C	P264000	AGMT DTD. 05/26/2020	Kohse /Gordon E	05/01/20	06/30/21	0	25,000	25,000
Total by Primary Sponsor									0	25,000	25,000
107080 Plasma Energy Innovation LLC	107080 Plasma Energy Innovation, LLC	6942749	C	P065004	AGREEMENT FE 03/04/2020	Heywood /John B	03/30/20	12/31/20	27	66,309	66,282
Total by Primary Sponsor									27	66,309	66,282
107101 Shandong Institute of Advanced Technology	107101 Shandong Institute of Advanced Technology	6943204	C	P159900	TBD	Ting /Samuel	05/01/20	04/30/23	0	500,000	500,000
Total by Primary Sponsor									0	500,000	500,000
107116 Mitsubishi Tanabe Pharma Holdings America	107116 Mitsubishi Tanabe Pharma Holdings America	6942919	C	P067952		Kellis /Manolis	04/01/20	03/31/21	376,008	349,538	(26,470)
Total by Primary Sponsor									376,008	349,538	(26,470)
107147 SPARK Therapeutics, Inc.	107147 SPARK Therapeutics, Inc.	6943087	C	P165000		Bathe /Mark	03/11/20	03/10/21	377	54,960	54,584
Total by Primary Sponsor									377	54,960	54,584
107196 Digital Promise Global	107196 Digital Promise Global	6943080	C	P093800	#1200	Klopfer /Eric	02/01/20	12/31/20	39,380	34,000	(5,380)
Total by Primary Sponsor									39,380	34,000	(5,380)
107361 pSemi Corporation	005615 Dartmouth College	6943413	C	P267110		Perreault /David J	06/24/20	06/23/21	0	149,969	149,969
Total by Primary Sponsor									0	149,969	149,969

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107426 China Evergrande Group	006112 Harvard Medical School	6943345	C	P400600	280870.5116908.0030	Zhang /Feng	03/01/20	04/30/21	273	157,000	156,727
		6943362	C	P035000	280870.5116735.0007	Zheng /Siqi	03/01/20	04/30/21	349	171,065	170,716
	Total by Primary Sponsor								622	328,065	327,443
999903 MIT - Deshpande Center	009904 MIT - Internal	6926535	C	P063007	DESHPANDE MOU	McLaughlin /Dennis	09/01/12	08/31/13	0	49,697	0
	999903 MIT - Deshpande Center	6928483	C	P402000	DESHPANDE MOU	Bhatia /Sangeeta N	09/01/13	08/31/15	0	98,367	(0)
		6928486	C	P069700	DESHPANDE MOU	Hart /Anastasios John	09/01/13	05/31/15	0	1,000	0
		6928487	C	P067952	DESHPANDE MOU	Matusik /Wojciech	09/01/13	08/31/14	0	1,000	0
		6930681	C	P267200	DESHPANDE MOU	Baldo /Marc A	09/01/14	08/31/15	0	50,000	(0)
		6930682	C	P152000	DESHPANDE MOU	Bawendi /Moungi G	09/01/14	08/31/16	0	200,000	0
		6930683	C	P062000	DESHPANDE MOU	Halton /Trevor Alan	09/01/14	08/31/16	0	93,383	0
		6930727	C	P062000	DESHPANDE MOU	Doyle /Patrick S	09/01/14	12/31/15	0	50,000	0
		6930808	C	P267500	DESHPANDE MOU	Soljatic /Marin	09/01/14	08/31/16	0	100,000	(0)
		6930820	C	P152000	DESHPANDE MOU	Surendranath /Yogesh	09/01/14	08/31/15	0	983	(0)
		6931057	C	P061901	DESHPANDE MOU	Edelman /Elazer R	09/01/14	08/31/16	0	149,933	0
		6931123	C	P065005	DESHPANDE MOU	Varanasi /Kripa	11/01/14	10/31/16	0	150,000	0
		6931749	C	P061901	DESHPANDE MOU	Gray /Martha L	09/01/14	02/28/16	0	74,942	0
		6932666	C	P267600	DESHPANDE MOU	Smith /Henry I	09/15/15	01/31/18	0	115,440	0
		6932675	C	P152000	DESHPANDE MOU	Buchwald /Stephen Leffler	09/01/15	08/31/20	0	200,000	8,016

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		6932788	C	P067952	DESHPANDE MOU	Rus /Daniela L	09/01/15	12/31/17	0	49,910	(0)
		6933609	C	P067952	DESHPANDE MOU	Durand /Frederic	09/01/15	08/31/17	0	66,315	(0)
		6934507	C	P039070	DESHPANDE MOU	Boyden /Edward	08/01/16	01/31/17	0	47,688	(0)
		6934688	C	P062000	DESHPANDE MOU	Brushett /Fikile R	09/01/16	08/31/18	0	51,000	0
		6934710	C	P035000	DESHPANDE MOU	Zegras /Pericles C	09/01/16	08/31/18	0	96,306	893
		6934715	C	P402100	DESHPANDE MOU	Fox /James G	09/01/16	08/31/18	0	93,441	(0)
		6934729	C	P065009	DESHPANDE MOU	Chen /Gang	09/01/16	08/31/17	0	50,000	0
		6934860	C	P402000	DESHPANDE MOU	Belcher /Angela M	09/01/16	08/31/18	0	50,958	(0)
		6934878	C	P165000	DESHPANDE MOU	Ribbeck /Katharina	09/01/16	12/31/18	0	200,000	(0)
		6936918	C	P267600	DESHPANDE MOU	Smith /Henry I	09/01/15	08/31/17	0	48,248	0
		6936946	C	P065004	DESHPANDE MOU	Hart /Anastasios John	09/01/17	08/31/18	0	44,300	(2,267)
		6937062	C	P065005	DESHPANDE MOU	Wang /Evelyn	09/01/17	08/31/19	(293)	51,000	(0)
		6937132	C	P165000	DESHPANDE MOU	Bathe /Mark	09/01/17	02/15/19	0	49,961	0
		6937133	C	P062000	DESHPANDE MOU	Olsen /Bradley D.	09/01/17	08/31/20	13,985	144,511	46,055
		6937174	C	P267200	DESHPANDE MOU	Ram /Rajeev J	09/01/17	02/01/20	22,244	99,917	(0)
		6937251	C	P066000	DESHPANDE MOU	Beach /Geoffrey Stephen	09/01/17	08/31/20	2,445	150,000	23,578
		6937266	C	P402000	DESHPANDE MOU	Cima /Michael J	09/01/17	08/31/18	0	49,978	(0)
		6937347	C	P267111	DESHPANDE MOU	Daniel /Luca	09/01/17	08/31/20	8,427	125,000	24,380

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Research Expenditures by Primary Sponsor
Fiscal Year 2020

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6937775	C	P062000	DESHPANDE MOU	Sikes Johnson /Hadley	09/01/17	08/31/18	0	50,000	(0)
		6937924	C	P069200	DESHPANDE MOU	Griffith /Linda G	09/01/17	08/31/20	39,918	58,030	4,401
		6938437	C	P065004	DESHPANDE MOU	Hart /Anastasios John	09/01/17	08/31/18	0	5,700	(9,773)
		6939505	C	P065005	DESHPANDE MOU	Winter /Amos G	09/01/18	08/31/19	811	50,000	(0)
		6939537	C	P267111	DESHPANDE MOU	Grossman /Jeffrey C.	09/01/18	08/31/20	55,308	100,000	5,069
		6939846	C	P152000	DESHPANDE MOU	Johnson /Jeremiah A.	09/01/18	08/31/20	9,991	100,000	56,373
		6941224	C	P061096	DESHPANDE MOU	Tan /Choon S	09/01/19	08/31/20	49,275	49,963	688
		6941270	C	P066000	DESHPANDE MOU	Hu /Juejun	09/01/19	08/31/20	39,189	50,000	10,811
		6941292	C	P062000	DESHPANDE MOU	Doyle /Patrick S	09/01/19	08/31/20	31,885	50,000	18,115
		6941294	C	P402000	DESHPANDE MOU	Birnbaum /Michael E	09/01/19	08/31/20	20,064	50,000	29,936
		6941386	C	P065004	DESHPANDE MOU	Anthony /Brian	09/01/19	08/31/20	170,263	120,000	(50,263)
		6941456	C	P062000	DESHPANDE MOU	Smith /Zachary P	09/01/10	08/31/20	43,100	50,000	6,900
		6942114	C	P061200	DESHPANDE MOU	Swager /Timothy M	09/01/19	08/31/20	27,912	50,000	22,088
		6942274	C	P066000	DESHPANDE MOU	Van Vliet /Krystyn J	09/01/19	08/31/20	50,955	50,000	(955)
		6943022	C	P061200	DESHPANDE MOU	Maes /Patricia	03/01/20	02/28/21	188	148,166	147,978
		Total by Primary Sponsor								585,666	3,785,138
Total									761,996,981	4,796,316,09	881,175,660

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